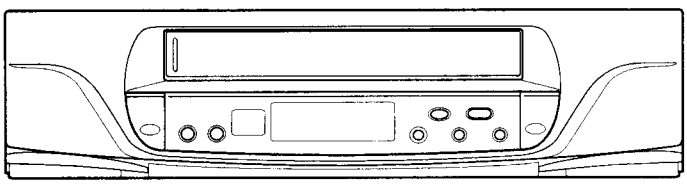
FILE NO.

SANYO

SERVICE MANUAL

Video Cassette Recorder



(VHR-757G, VHR-757EX, VHR-757NL)

VHS PAL

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VHR-757G
(Product Code : 143 171 65)
(Switzerland & Italy)

VHR-757EX
(Product Code : 143 171 64)
(Europe)

VHR-757NL
(Product Code : 143 171 66)
(Netherlands)

VHR-777EV
(Product Code : 143 171 67)
(Europe)

VHR-777EX
(Product Code : 143 171 23)
(Europe)

VHR-797SP
(Product Code : 143 171 12)
(Spain & Portugal)

Please see other materials with Reference number given in table below.

Materials	Model No.	Reference No.
Mechanism Manual	V95 I Mechanism	MM531433
	V95 II Mechanism	MS531500

PRODUCT SAFETY NOTICE

The components designated by a symbol (⚠) in this schematic diagram designates components whose value are of special significance to product safety. Should any component designated by a symbol need to be replaced, use only the part designated in the parts List. Do not deviate from the resistance, wattage, and voltage ratings shown.

NOTE: 1. Parts order must contain model number, part number, and description.
2. Substitute parts may be supplied as the service parts.
3. N.S.P. : Not available as service parts.

Design and specifications are subject to change without notice.

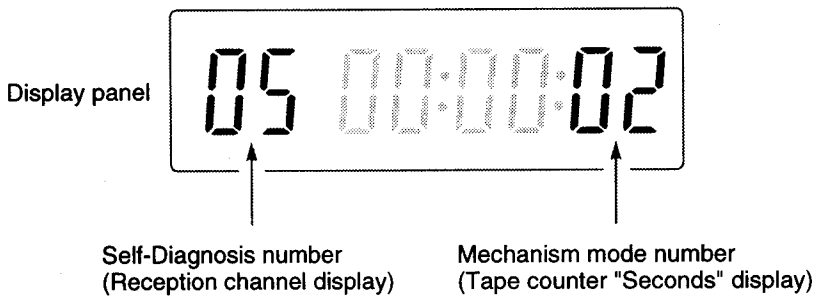
SELF-DIAGNOSIS DISPLAY

Mechanism Mode Display / Head Output Drop Warning Display / Cylinder Rotation Accumulated Time Display

This unit displays the diagnosis contents of abnormalities and the mechanism, mode on its display panel in 2-digit numbers.
When the head playback output has dropped, the "L" sign will be blinked. Some models (listed later) will also display the cylinder rotation accumulated time.
These display shows the outline of the problems. Use it as a reference when servicing the unit.

1. Self-Diagnosis Contentes and Mechanism Mode Display

- When the STOP button on the remote control is pressed for about 10 seconds continuously, the self-diagnosis number will be displayed on the reception channel display of the display panel and number indicating the failed mechanism mode (changed mode when being shifted) on the tape counter "seconds" display for 10 seconds each.
- During self-diagnosis display, displays other than the diagnosis number/mechanism mode number and the cylinder accumulated rotation time display described later (some models only) will be turned off and when displays end, the normal display will be returned automatically.
- Refer to "Self-Diagnosis Contents" for the self-diagnosis numbers and the "Mechanism Mode Display Contents" for the mechanism mode numbers.
- When the "0" button on the remote control unit is pressed during display, and clearing the self-diagnosis display and mechanism mode display.



Self-Diagnosis Contents

No.	Problem	Main Possible Cause	Mechanism Operations and State After Occurrence
00	There is no abnormality in the mechanism.		
01	The cylinder motor does not rotate.	• The cylinder motor is faulty. • The control of the cylinder motor is faulty. • The tape winds around the cylinder.	Shifts to the STOP mode.
02	The take-up reel does not rotate.	• The take-up reel is caught. • The reel belt is faulty. • The take-up torque has decreased.	Shifts to the STOP mode.
03	The capstan motor does not rotate.	• The capstan motor is faulty. • The control of the capstan motor is faulty.	Shifts to the STOP mode.
04	The tape cannot be loaded with the cassette inserted. (But unloading can be performed.)	• Error in the operations of the tape loading mechanism. • Foreign particles in the tape loading mechanism. • The tape end sensor is faulty. • The reel brake of the tape cassette has not been released.	Unloads, shifts to the INITIAL mode, and the power goes off.
05	Tape loading and unloading cannot be performed with the cassette inserted.	• The tape guide is caught. • The loading motor is faulty. • The control of the loading motor is faulty.	The power is forcibly turned off with the mechanism at its current position.

No.	Problem	Main Possible Cause	Mechanism Operations and State After Occurrence
06	Front unloading cannot be performed when ejecting the cassette. (Front loading can be performed.)	• The cassette drive mechanism is faulty. • The front door is caught.	Front loads and shifts to the STOP or INITIAL mode. • When the power switch is turned on before eject operations: Shifts to the STOP mode. • When the power switch is turned off before eject operations: Shifts to the INITIAL mode and the power goes off.
07	Front loading and front unloading cannot be performed when ejecting the cassette.	• The tape cassette is caught in the cassette drive mechanism. • The main cam and front rack gear of the front loading mechanism have not engaged properly. • The gears of the front loading drive mechanism have not engaged properly.	The power is forcibly turned off with the mechanism at its current position.
08	The mechanism becomes 1 (REVIEW) while moving from 2 (IDLER), 3 (STILL), 4 (BRAKE), and to 5 (STOP).	• The mechanism mode switch contact is faulty.	The power is forcibly turned off with the mechanism at its current position.
09	The mechanism becomes 7 (INITIAL) while moving from 1 (REVIEW), 2 (IDLER), 3 (STILL), 4 (BRAKE), and to 5 (STOP).	• The mechanism mode switch contact is faulty.	Carries out tape take-up operations, shifts to the INITIAL mode, and the power goes off.

Note: For details of mechanism operations corresponding to the mechanism positions of the self-diagnosis numbers 08 and 09 above, refer to the separate volume on the V95 I mechanism manual. These manual reference numbers are shown in the cover.

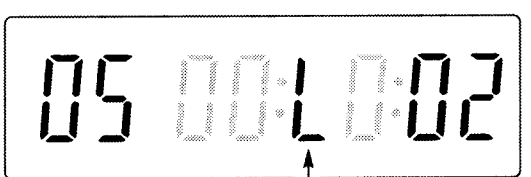
Mechanism Mode Display Contents

Mode No.	Mechanism Mode	Mode No.	Mechanism Mode	Mode No.	Mechanism Mode
00	CASSETTE OUT	08	PLAY	16	VIDEO INSERT
01	STANDBY	09	REC	17	VIDEO INSERT-PAUSE
02	STOP	10	AUDIO DUBBING	18	AUDIO/VIDEO INSERT
03	STILL	11	X2 SPEED PLAY	19	REVERSE X2 SPEED PLAY
04	REC-PAUSE	12	CUE		
05	AUDIO DUBBING-PAUSE	13	REVIEW		
06	FRAME ADVANCE	14	FAST FORWARD		
07	SLOW	15	REWIND	99	OTHERS

2. Head Output Drop Warning Display

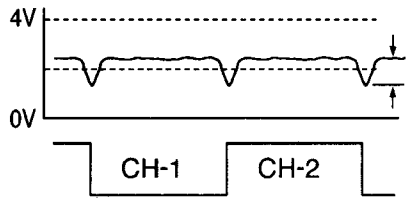
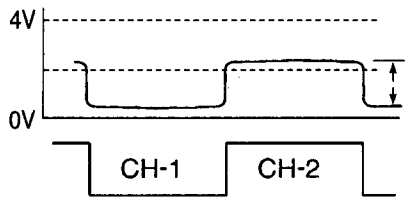
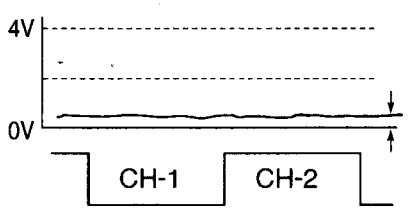
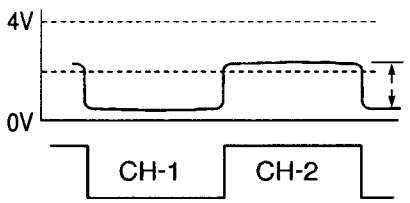
- When the STOP button on the remote control is pressed for 10 seconds continuously 10 seconds after play starts, "L" will be displayed blinking at the first digit of the minutes position on the tape counter when the head output is lower than the specified value to indicate an abnormality.
- The cause of the abnormality may be due to drop in the playback output caused by drop in the efficiency of the cassette used or head clogging. Refer to "Head Playback Output Voltage Check" as a means to judge the abnormality.

Display panel



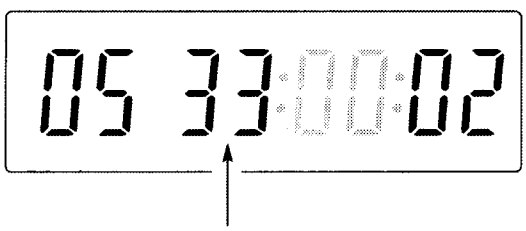
Head output drop warning display
(Tape counter "1st digit of Minutes." position)

Head playback output voltage check

Cassette Used	Warning Display	Envelope Detection Output Voltage	Main Cause
Cassette with normal playback output	–	Envelope detection output (IC301 Pin 25 or R3032 Mark side: see Fig. 2-1-1) Switching pulse (TP183: see Fig. 2-1-2) 	When the output voltage difference of the two channels is 0.5 to 0.95V • The video heads of both are normal
Recorded cassette (with tabs)	"L" blinking	Envelope detection output (IC301 Pin 25 or R3032 Mark side: see Fig. 2-1-1) Switching pulse (TP183: see Fig. 2-1-2) 	When the output voltage difference of the two channels is more than 0.95V • Tracking adjustment has not been performed accurately • One video head is clogged • One video head has worn out
	"L" blinking	Envelope detection output (IC301 Pin 25 or R3032 Mark side: see Fig. 2-1-1) Switching pulse (TP183: see Fig. 2-1-2) 	When the average output voltage of the two channels is less than 0.5V • Tracking adjustment has not been performed accurately • Both video heads are clogged • Both video heads have worn out
Rental cassette (without tabs)	"L" blinking	Envelope detection output (IC301 Pin 25 or R3032 Mark side: see Fig. 2-1-1) Switching pulse (TP183: see Fig. 2-1-2) 	When the output voltage difference of the two channels is more than 0.95V • Tracking adjustment has not been performed accurately • One video head is clogged • One video head has worn out
	• Some rental cassettes may have extremely low video playback outputs even when both video heads are normal. As the average output voltage of the two heads may be less than 0.5V for some, no warning displays will be shown.		

3. Cylinder rotation accumulated time display

- Press the STOP button on the remote control for approximately 10 seconds and the cylinder rotation accumulated time excluding the cassette out and standby operation time will be displayed on the "Hours" display in units of 100 hours. ("33" will be displayed for 10 seconds for 3,200 to 3,299 hours.)
- To erase the cylinder rotation accumulated time display, press the RESET button on the remote control during the accumulated time display.

Display panel 

Cylinder rotation accumulated display (Tape counter "Hours" display)

1. DISASSEMBLY

1-1. REMOVAL OF CABINET, MECHANISM UNIT, AND MAIN BOARD

REMOVING THE CABINET PARTS (Fig. 1-1-1)

1. Remove the cabinet and bottom cover by removing the four screws ① and four screws ②.
2. Remove the front panel by removing the locks of the clamps (A) using a screwdriver, etc. and slightly rotating the bottom part in the direction of the arrow.

Notes: • Electrical adjustments for the this model can be performed with only the cabinet removed.
• When replacing the bottom cover, do not tighten the screws ② too much. Excess tightness may damage the screws taps on the chassis.

REMOVING THE MECHANISM MAIN UNIT AND THE CP-1 PWB ASSEMBLY (Fig. 1-1-2 and 1-1-3)

After removing the cabinet parts, remove the mechanism unit and the CP-1 PWB assembly connected as follows.

1. Spread out the lock clamps (C) in the arrow direction slightly and remove the TM-1 PWB as shown in Fig. 1-1-2.
2. Remove the screw ④ at the chassis.
3. Remove the screw ⑤ in the chassis, the screw ⑥, and the holder in this order.
4. Remove the two screws ⑦ and two screws ⑧ of the mechanism unit. The two screws ⑧ of the cassette tray can be removed easily by pushing the tray lock lever in the arrow direction to remove the lock as shown in the enlarge view A and by pushing the lid opener lever in the arrow direction to remove the lock as shown in the enlarge view B.
5. Lift up the whole mechanism unit and main board (CP-1 PWB assembly), and as shown in Fig. 1-1-3, push the two lock clamps (D) of the chassis in the arrow direction so that they can be removed from the chassis.

M-MP2N/G-1

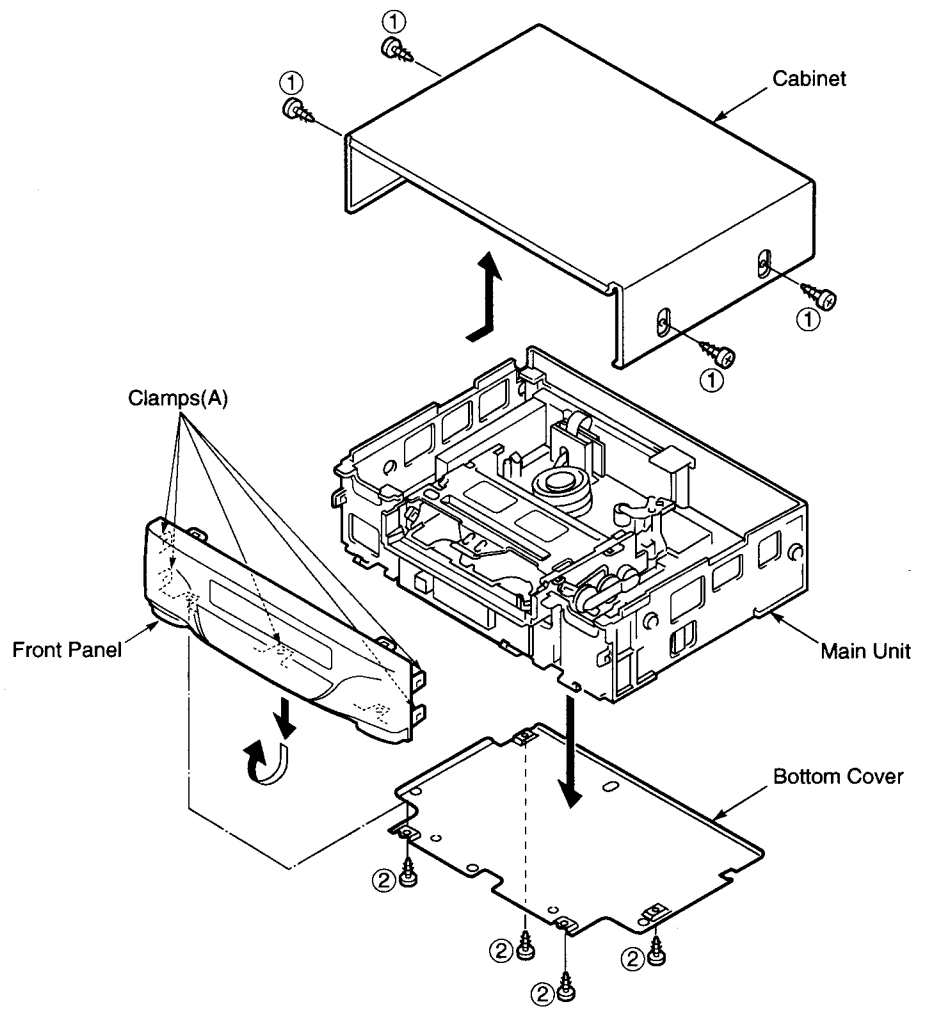


Fig. 1-1-1

M-PF2LN/TA-2

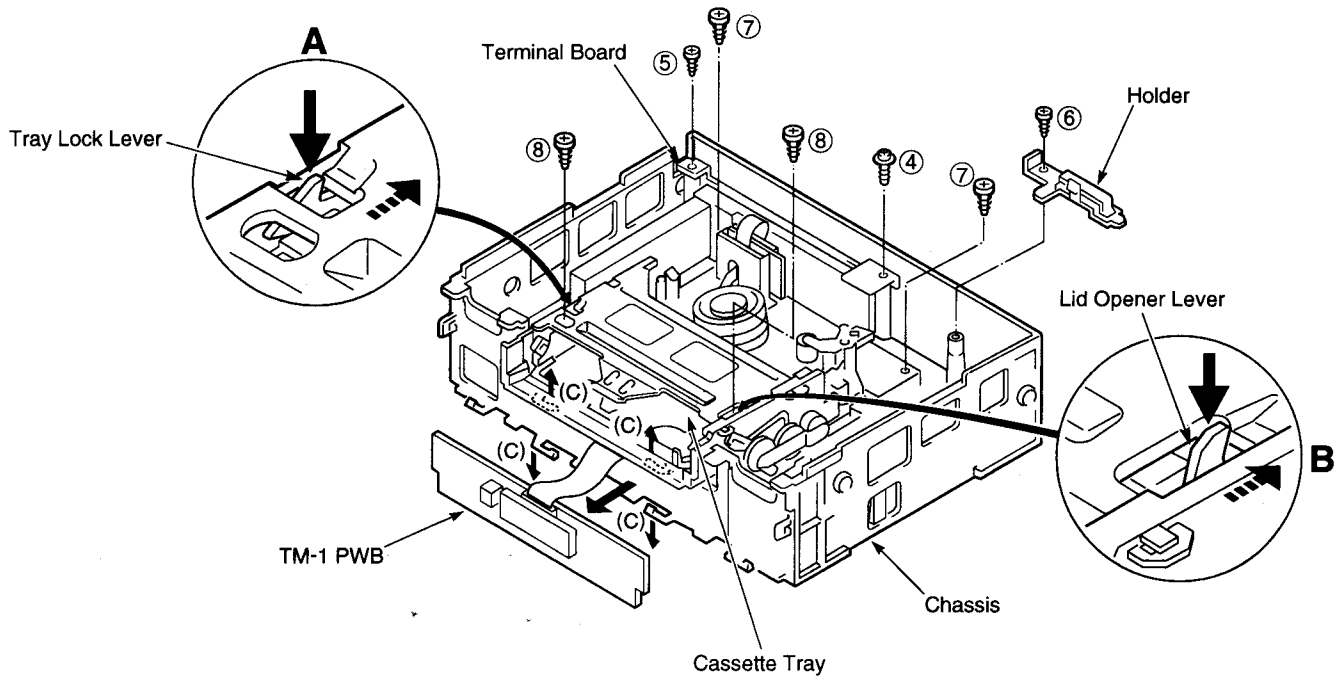


Fig. 1-1-2

M-PF2LN/TA-3

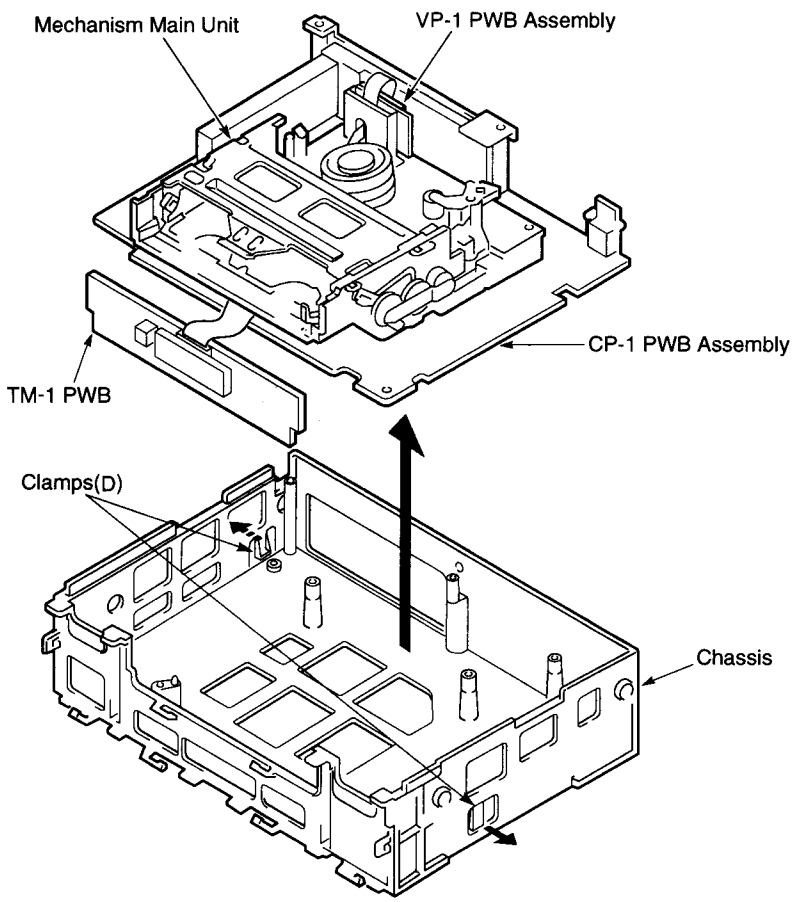


Fig. 1-1-3

1-2. TEMPORARILY SETTING UP AND CONNECTING CP-1 PWB ASSEMBLY

The following is an example of how to place and connect the main board without a jig, when repairing the CP-1 PWB assembly.

1. Place the mechanism unit and main board up side down as a whole on a flat surface with foil side of the main board facing up.
2. Operete the unit using the buttons on TM-1 PWB or the remote control.

M-PF2LN/TA-4

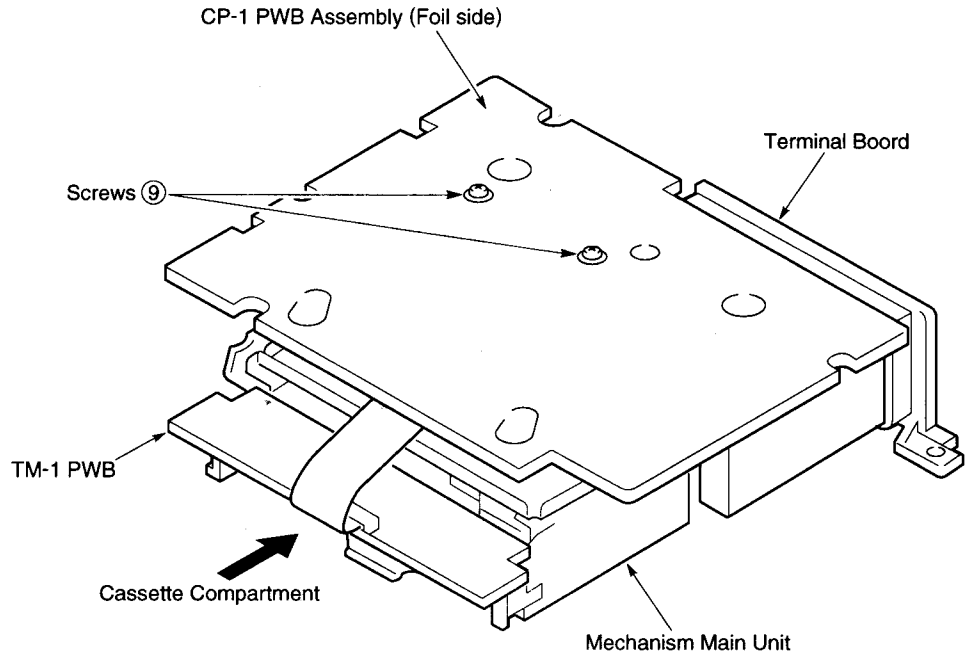


Fig. 1-1-4

1-3. INSTALLATION OF THE FRONT PANEL

When installing the front panel to the chassis after repaires and adjustments.

1. Pressing down the door opener lever of the mechanism main unit.
2. Set the cassette door to half-opened state as shown in Fig. 1-1-5, and install the front panel to the chassis.

Note: Opened cassette door position does not install the front panel to the chassis.

M-MA4/U-5

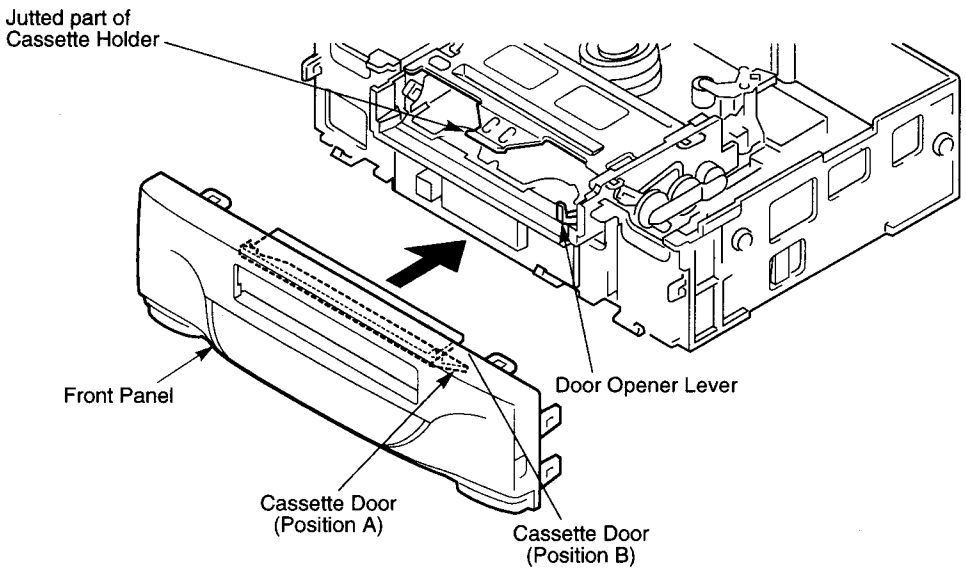
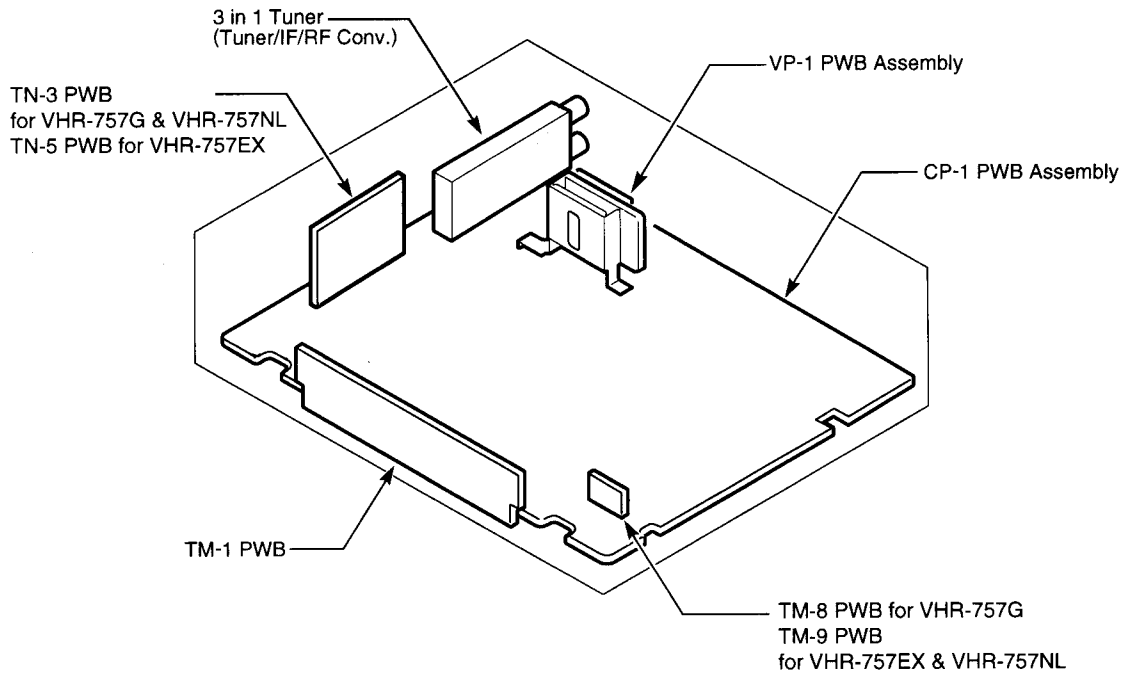


Fig. 1-1-5

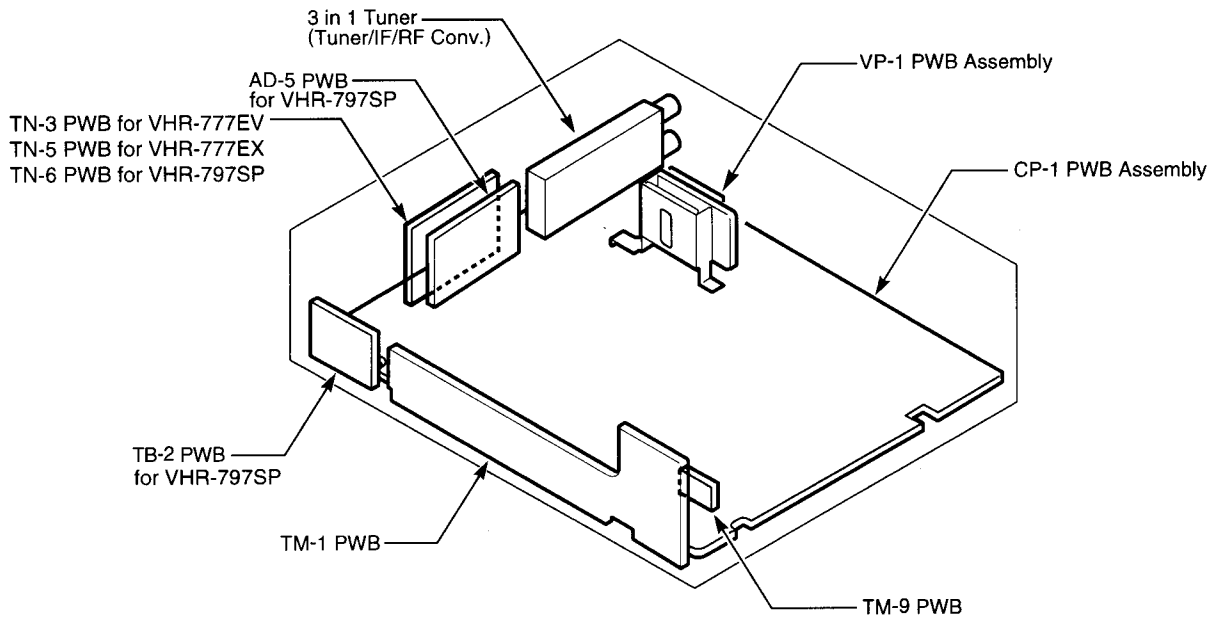
1-4. CIRCUIT BOARD LOCATIONS

L-MP4H/G3, SP2

VHR-757G, VHR-757EX, VHR-757NL



VHR-777EV, VHR-777EX, VHR-797SP



2. ELECTRICAL ADJUSTMENT

VCR PRESETTING

This VCR need three basic presetting by using the menus displayed on-screen. After all connection have been made, then follow steps 1 to 3 to preset the VCR.
The three presetting steps will be displayed in sequence on TV screen. The setting are entered with the remote control.

Turn on the VCR

1. Adjusting the TV receiver to the video channel: The AUTO SETUP screen will appear. When the video channel has been preset, press the OK button on the remote control.
2. Country selection: Using the numeric button, select the country of use.
3. Language selection: When the desired language has been select, press the MENU/TV button directly before prevent auto tuning will start.

When steps 1 to 3 have been finish, ready to operate the all operating mode.

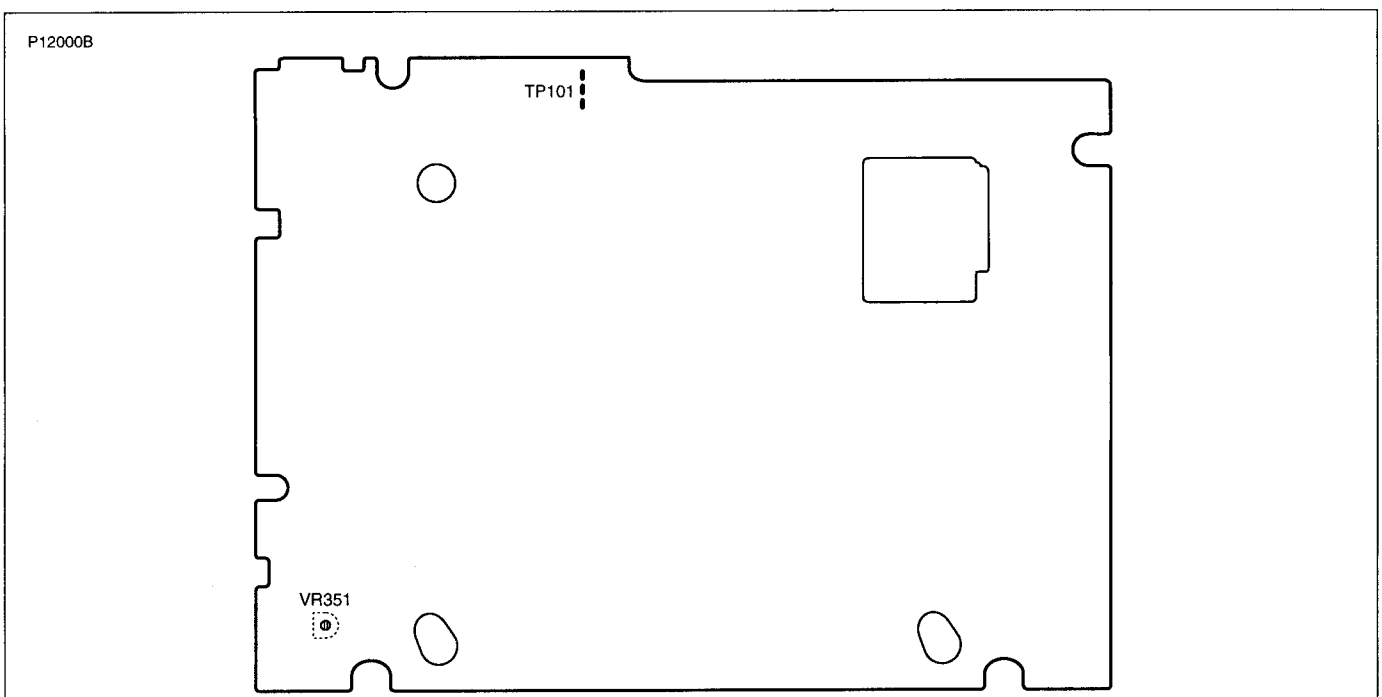
2-1. SERVO CIRCUIT ADJUSTMENT

- These adjustments should be done upon completion of the tape transport adjustments.
- If the tape transport adjustments (except the tilt adjustment) are done after these adjustments, follow the procedures again in section 2-1-3, "Switching position adj."
- When a cassette tape is loaded, auto-tracking will be set immediately after starting the first playback. As this will daviate the tracking center set, be sure to press the channel buttons (+) and (−) once directly after starting playback to prevent auto-tracking from being set.

2-1-1. TEST EQUIPMENT AND STANDARDS REQUIRED

Oscilloscope	Vertical sensitivity Bandwidth	: 5 mV/DIV, external trigger : more than 10 MHz
Alignment Tape	VHJ-0009 or VHJ-0023	: SP mode, monoscope, 6 KHz
Blank Tape	VHS-type cassette tape	
Monitor TV		

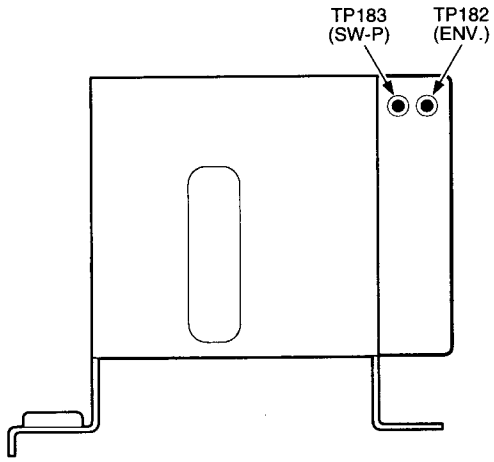
2-1-2. LOCATION OF ADJUSTMENT POINTS



CP-1 PWB (Foil side)

Fig. 2-1-1

P66300D



VP-1 PWB Assembly

Fig. 2-1-2

2-1-3. SWITCHING POSITION ADJ.

Measuring Point	Measuring Equipment	Adj. Condition
TP101 (VIDEO OUT) TP183 (SW-P)	Oscilloscope	PLAY (SP) mode Alignment tape (VHJ-0009 or VHJ-0023)

Adj. Location	Adj. Value
VR351 (SW-P)	6.5 H ± 0.5 H

1. Play back the alignment tape.
2. Set the tracking control position to the center by pressing CHANNEL buttons (+) and (−) simultaneously.
3. Adjust VR351 (SW-P) so that the width of "T" becomes 6.5 H ± 0.5 H as shown in Fig. 2-1-3.

WS-SWP

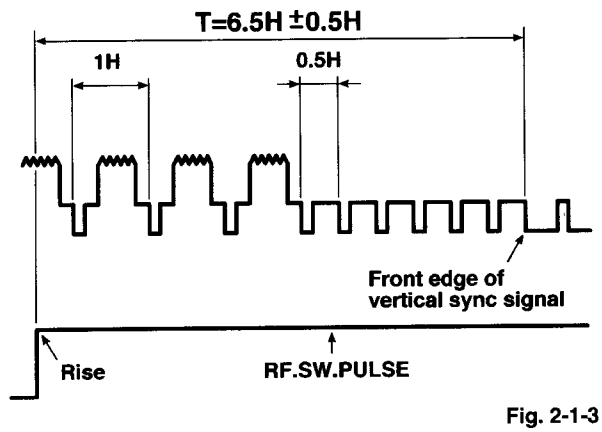


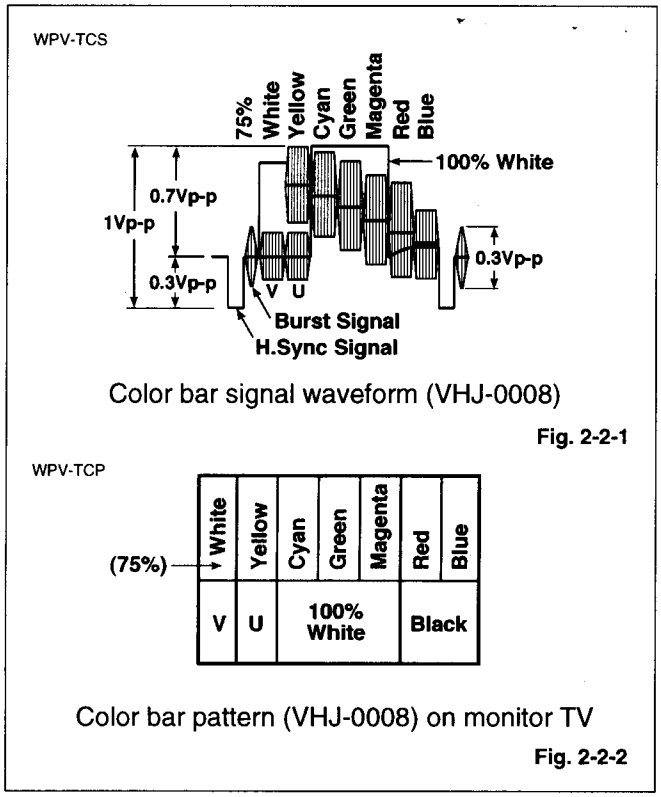
Fig. 2-1-3

2-2. VIDEO CIRCUIT RELAY JIG

2-2-1. TEST EQUIPMENT AND STANDARDS REQUIRED

Color Bar Signal Generator	PAL Color bar signel with 100% white level (EBU color bar signel)	
Oscilloscope	Vertical sensitivity Bandwidth	: 5 mV/DIV, external trigger : more than 10 MHz
Oscilloscope Probe	Input capacity Covering frequency	: less than 25 pF (10:1) less than 40 pF (1:1) : DC ~ 40 MHz (10:1) DC ~ 30 MHz (1:1)
Digital Voltmeter	DC range	
Alignment Tape	VHJ-0008 or VHJ-0023 : SP mode, color bar, 1 kHz (Color bar signal waveform is described below. Refer to Fig. 2-2-1)	
Relay Jig	VHJ-0067	: 12-wire flat cable for VP-1 PWB assembly

ALIGNMENT TAPE COLOR BAR SIGNAL



Color bar signal waveform (VHJ-0008)

Fig. 2-2-1

Color bar pattern (VHJ-0008) on monitor TV

Fig. 2-2-2

RELAY JIG

Connect the flat cable end from the cylinder assembly to the VP-1 PWB assembly using the relay jig to provide simple repairing of the VP-1 PWB assembly, as shown in Fig.2-2-3. Further, when adjusting the VP-1 PWB assembly, be sure to make contact an end of shield case with bracket of the VP-1 PWB assembly to maintain the shield effect. If the VP-1 PWB assembly does not contact, there is insufficient ground and no proper play back image can be obtained.

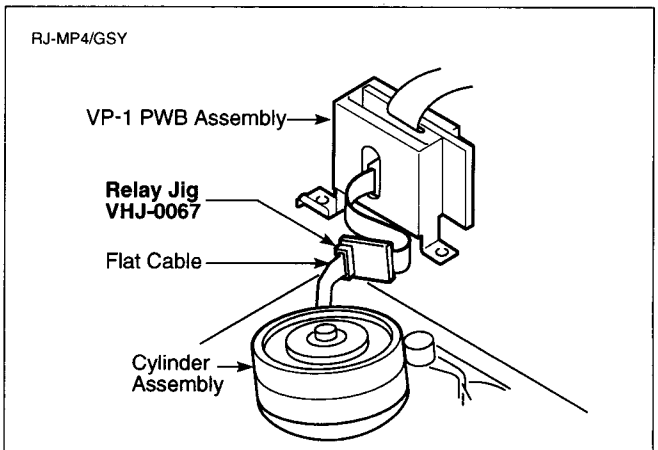


Fig. 2-2-3

2-3. MTS DECODER CIRCUIT ADJUSTMENT for VHR-757G, VHR-757NL and VHR-777EV

- If adjusting the MTS Decoder circuit, special equipment shown in section 2-4-1. is necessary.
- Improper adjustment will cause loss of performance of stereo sound and bilingual sound detection.
- Before making these adjustments, be sure to make the adjustments described in section 2-1. " Servo Circuit.", section 2-2. "Video Circuit Relay Jig."

2-3-1. TEST EQUIPMENT AND STANDARDS REQUIRED

Audio Multiplex TV signal Generator	
Oscilloscope	
AC Voltmeter	
Low Path Filter	15 kHz (48dB/oct)

2-3-2. LOCATION OF ADJUSTMENT POINTS

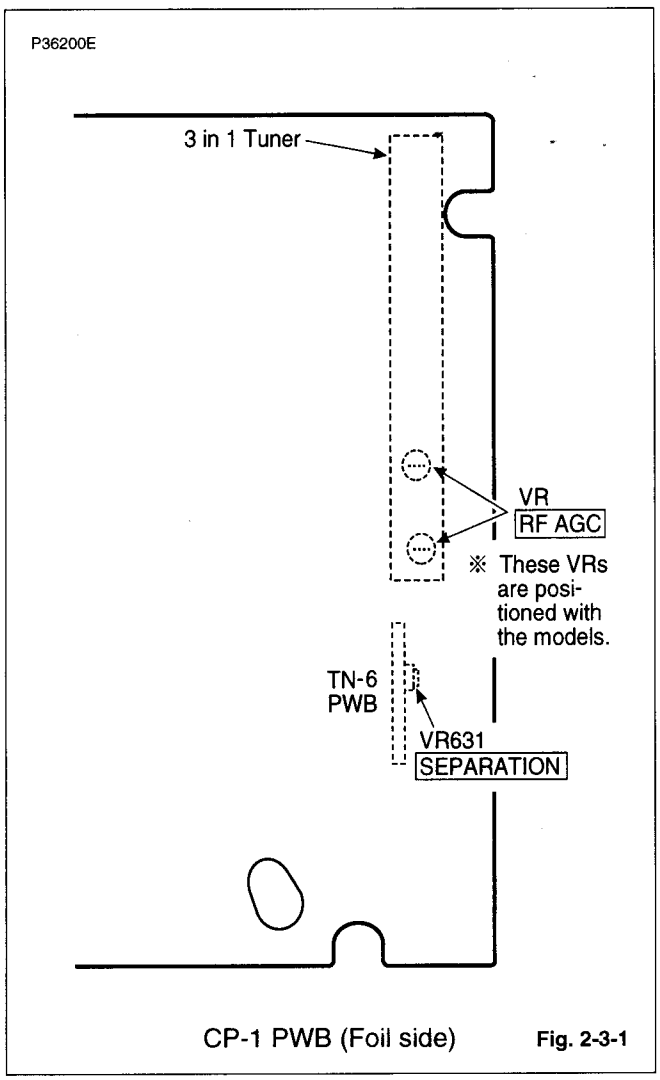


Fig. 2-3-1

Note:

- Set the following remote control button to the positions indicated below, before making following adjustments.

REMOTE CONTROL BUTTON	POSITION
TAPE SPEED	SP
INPUT	AV
AUDIO	LR

2-3-3. SEPARATION ADJ.

Measuring Point	Measuring Equipment	Adj. Condition
AUDIO OUTPUT terminal EURO pin3 (Lch)	Audio Multiplex TV signal generator Oscilloscope Low path filter 15 kHz (48 dB/oct)	E-E mode

Adj. Location	Adj. Value
VR631 (SEPARATION)	Minimum level

1. Input the output signal of the audio multiplex TV signal generator into the VCR ANT input terminal.
2. Connect the oscilloscope to the audio output terminal EURO pin 3 (Lch) of the VCR via the LPF.
3. Set the audio multiplex TV signal generator as follows.
   Audio signal Rch: 1 kHz 30% modulation
   Audio signal Lch: Unmodulation
4. Adjust VR631 (SEPARATION) so that the output of the audio output terminal (Lch) is brought to its minimum level.

2-4. IF CIRCUIT ADJUSTMENT

- In this model, the circuits of the TUNER, IF, and RF converter have been made into one. Therefore, should one circuit malfunction, the whole unit must be replaced.
- The adjustments for the IF (RF AGC) circuit of the 3 in 1 tuner are described below.

Note: The 3 in tuner dose not need any adjustments, because precise adjustments were down before shipment.

2-4-1. TEST EQUIPMENT AND STANDARD REQUIRED

Monitor TV	

2-4-2. LOCATION OF ADJUSTMENT POINT

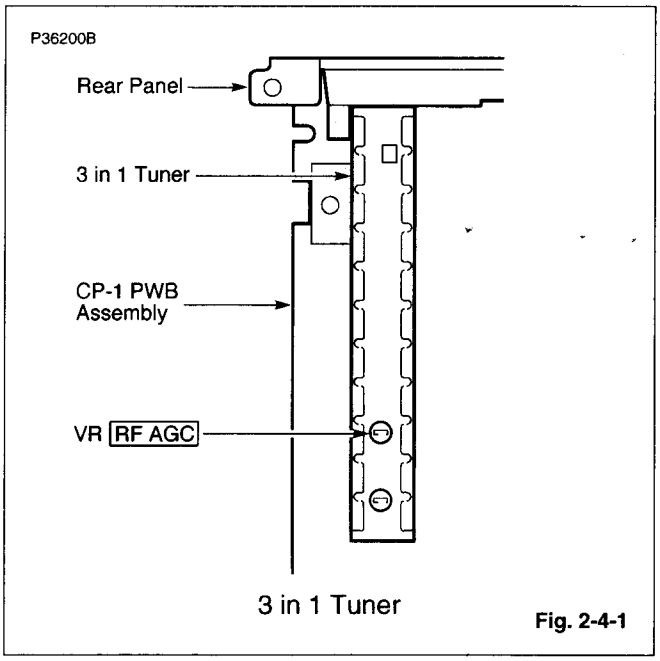


Fig. 2-4-1

2-4-3. RF AGC ADJ.

Measuring Point	Measuring Equipment	Adj. Condition
Picture of monitor TV	Monitor TV	E-E mode

Adj. Location	Adj. Value
VR (RF AGC) (on the 3 in 1 tuner)	S/N is best point

1. Connect the monitor TV to the VHF/UHF antenna output terminal.
2. Connect the VHF or UHF antenna to the VHF/UHF antenna input terminal.
3. Receive the middle electrical field (70 dBμ ~ 90 dBμ) of the VHF or UHF channel, and slowly turn the VR (RF AGC) from the point where snow-noise is present to the point where it just disappears from the monitor TV.
4. Confirm by monitor TV that there is no beat and saturation (S/N is best point) when receiving any TV channel.

2-5. CHECKING THE RF CHANNEL

If the TV and VCR are connected by an aerial output cable which has poor shielding characteristics, turn off the RF converter of the VCR and use the VCR with an AV cable. To turn the RF converter off, input "00" when setting the RF (when "RF" is displayed) during VCR pre-setting.

3. TEST POINTS FOR TAPE PATH ADJUSTMENT

Test points TP182 (ENV) and TP183 (SW-P) for tape path adjustment are shown in figure below.
For adjustment, refer to the separate volume "V95 I Mechanism Manual" (MM531433) and "V95 II Mechanism Manual" (MS531500).

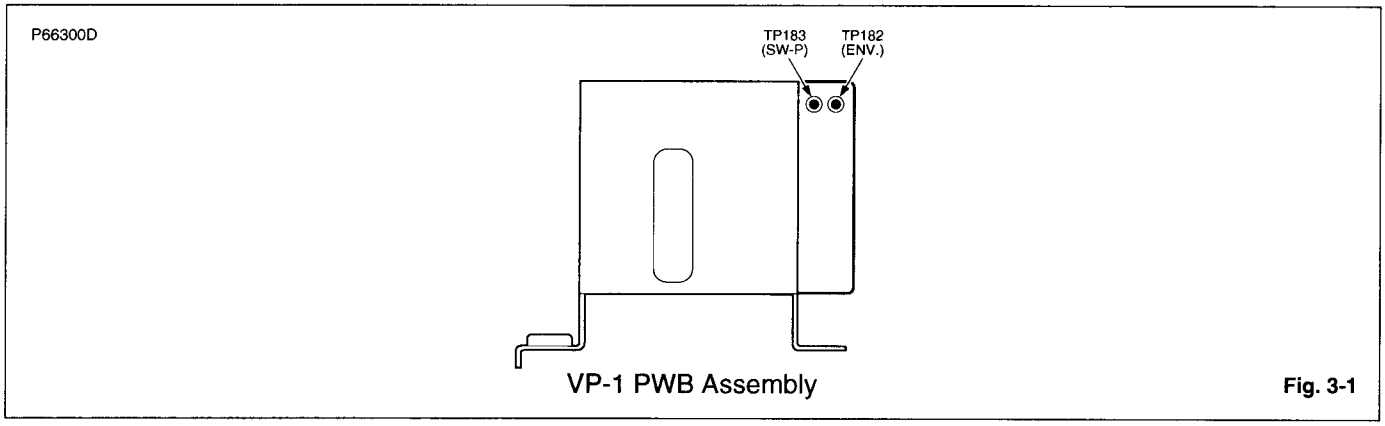


Fig. 3-1

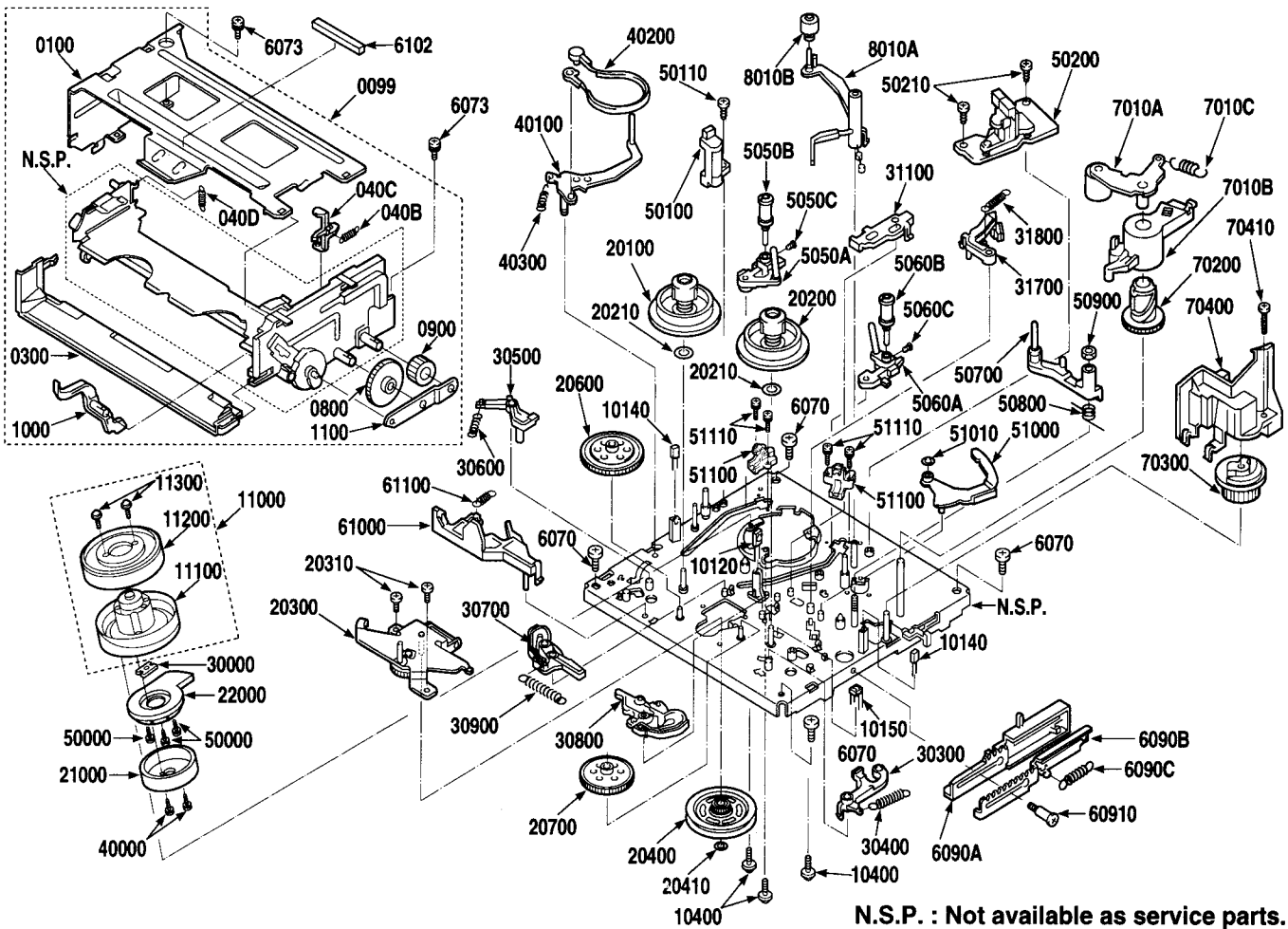
4. PARTS LIST

Note:

1.For Location numbers 8010A and 8010B, parts marked (#C) and (#D) in DESCRIPTION are not interchangeable with each other.
However, these are interchangeable when 8010A and 8010B are in the assembled state.
(#C) and (#D) can be differentiated from the color and height of the roller (8010B).
(#C) is gray and toll and (#D) is black and short.

MECHANISM PARTS 1

LOCATION	PARTS NO.	DESCRIPTION
11000	613 164 5981	COMPL,CYLINDER,4H6P-R2
11100	613 096 2751	ASSY,CYLINDER,LWR 6K
11200	613 164 6001	ASSY,CYLINDER,UPR 4H6P-R2
11300	411 038 1608	SCR PAN+W 3X8
21000	645 015 7875	MOTOR,ROTOR,CYL DC 2W
22000	645 015 7868	MOTOR,STATOR,CYL DC 2W
30000	613 097 2170	SPACER,MOTOR
40000	412 036 5001	SPECIAL SCREW 2.3X6
50000	412 036 4905	SPECIAL SCREW 2.3X10
0099	613 152 0578	COMPL,CASSETTE MECHANISM
0100	613 152 0738	STAND,L
0300	613 152 0660	FRAME,UNDER
040B	613 152 0417	SPRING,LID OPENER
040C	613 152 0707	LEVER,RELEASE
040D	613 152 0424	SPRING,TRAY LOCK
0800	613 152 2794	GEAR,LOCK
0900	613 152 2800	GEAR,PINION
1000	613 151 9480	LEVER,DOOR OPENER
1100	613 151 9299	HOLDER,GEAR
6102	613 151 6618	PAD
6070	411 021 7907	SCR S-TPG BIN 4X12
6073	412 048 8205	SPECIAL SCREW-2.6X6
10120	407 162 1102	LED LN59L (D8003)
10140	407 162 8705	PHOTO DIODE PN263L-(NC)(D8001,D8002) S,T SENSOR
10150	407 165 8108	PHOTO COUPLE SG-105F (PC801)
OR	407 043 0101	PHOTO DIODE ON2170-R (PC801)
10400	412 052 6204	SPECIAL SCREW-2.6X5.5
20100	613 160 5503	ASSY,REEL SUPPLY
OR	613 169 0974	REEL,SUPPLY
20200	613 160 4193	ASSY,REEL TAKE UP
OR	613 168 1514	ASSY,REEL TAKE UP
20210	412 015 8900	SPECIAL WASHER 3.1X6X0.4
OR	412 021 5306	SPECIAL WASHER 3.1X6X0.3
OR	412 015 8504	SPECIAL WASHER 3.1X6X0.5
20300	613 175 0661	COMPL,MOUNTING CLUTCH
OR	613 171 6896	COMPL,MOUNTING CLUTCH
20310	412 048 7505	SPECIAL SCREW-2.6X4
20400	613 151 9701	PULLEY,REEL
20410	412 045 4606	SPECIAL WASHER 2.4X6X0.25
20600	613 152 2749	GEAR,REEL S
20700	613 152 2756	GEAR,REEL T
30300	613 160 3356	ASSY,BRAKE SOFT T
30400	613 152 0295	SPRING,SOFT T
30500	613 151 9411	LEVER,SOFT S
30600	613 152 0318	SPRING,SOFT S
30700	613 160 6166	ASSY,BRAKE,S
30800	613 159 2193	ASSY,BRAKE T
30900	613 163 6996	SPRING,BRAKE
31100	613 152 0189	SLIDE,ACT BRAKE T
31700	613 151 8490	ASSY,BRAKE CAPSTAN
31800	613 152 0356	SPRING,BRAKE CAPSTAN
40100	613 151 8759	ASSY,LEVER,BT
40200	613 160 5282	ASSY,BRAKE,BAND
40300	613 152 0271	SPRING,BT
50100	645 017 6432	HEAD,ERASE FULL



N.S.P. : Not available as service parts.

MECHANISM-PART 1

PY2ZN/M1

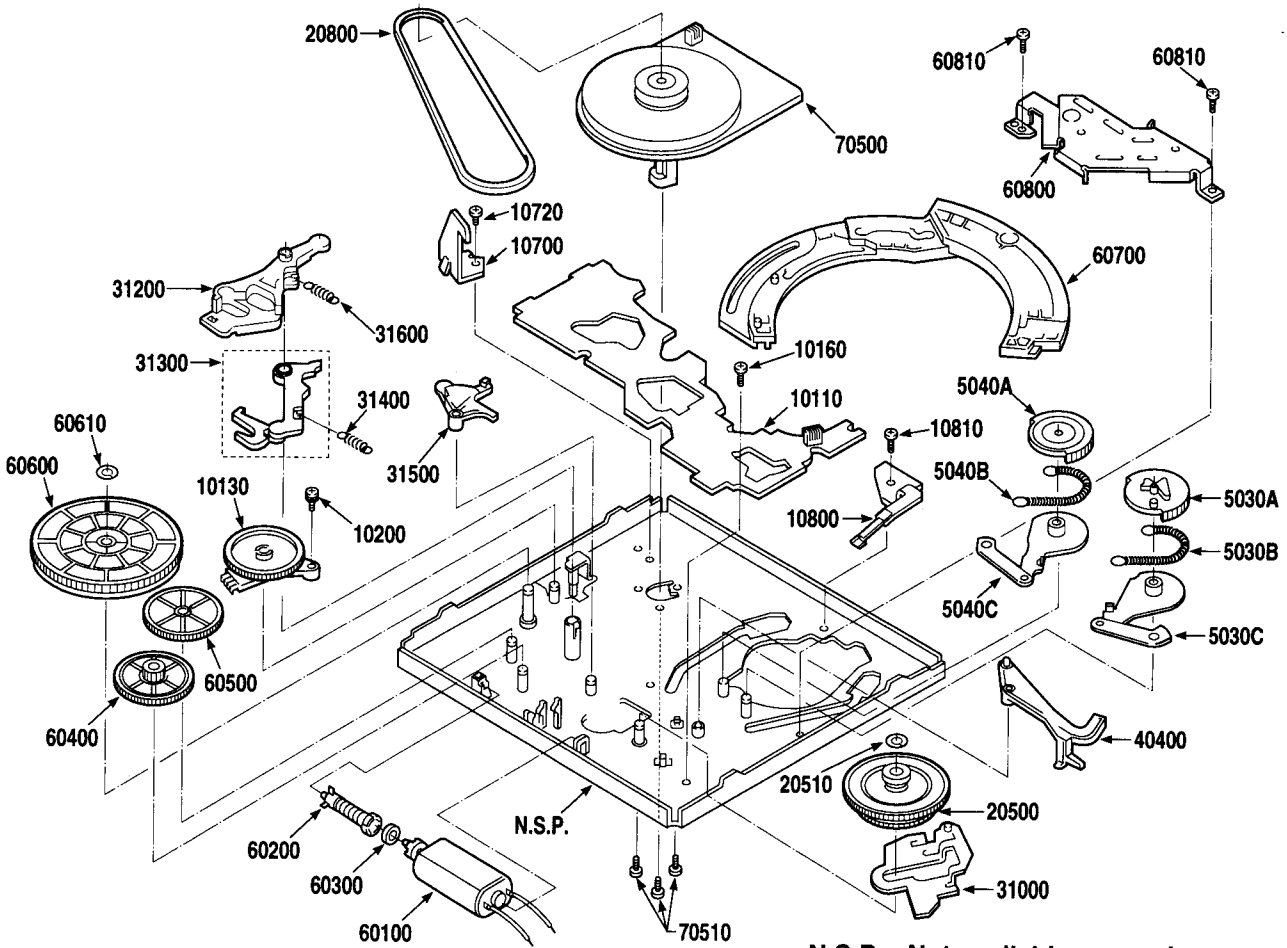
MECHANISM PARTS

LOCATION	PARTS NO.	DESCRIPTION
50110	412 048 9707	SPECIAL SCREW-2.6X10
50200	613 176 8406	ASSY,HEAD R/P ACE
50210	412 052 3500	SPECIAL SCREW 2.6X12
5050A	613 164 7237	ASSY,MOUNTING,INCLINE S
5050B	613 022 0233	ASSY,GUIDE,ROLLER
5050C	412 048 4504	SPECIAL SCREW-2X3
5060A	613 164 7251	ASSY,MOUNTING,INCLINE T
5060B	613 022 0233	ASSY,GUIDE,ROLLER
5060C	412 048 4504	SPECIAL SCREW-2X3
50700	613 164 4762	ASSY,LEVER,LOAD
50800	613 152 0387	SPRING,LEVER L GUIDE
50900	412 048 8908	SPECIAL NUT-3X3
51000	613 173 6153	ASSY,LEVER,ACT L GUIDE
OR	613 161 2365	ASSY,LEVER,ACT L GUIDE
51010	412 033 4106	WASHER SLIT 2.6X5X0.50
51100	613 160 7057	MOUNTING,CATCHER
51110	412 049 1700	SPECIAL SCREW-2.6X10
6090A	613 151 9152	GEAR,RACK FRONT
OR	613 160 4636	GEAR,RACK FRONT
6090B	613 151 9114	GEAR,RACK START
6090C	613 152 0226	SPRING,RACK FRONT
60910	412 050 2802	SPECIAL SCREW-2.6X6
61000	613 151 9398	LEVER,EP SW
61100	613 152 3692	SPRING,EP SW
7010A	613 151 8803	ASSY,LEVER,PINCH ROLLER
7010B	613 171 0221	MOUNTING,LIFT PINCH
7010C	613 152 0233	SPRING,PINCH ROLLER
70200	613 156 3841	CAM,LIFT PINCH
70300	613 152 0677	GEAR,CAM PINCH
70400	613 152 0714	MOUNTING,OPENER
70410	412 049 1106	SPECIAL SCREW-2.6X16
8010A	613 159 7273	LEVER,CLEANER,VHR-797SP ONLY (#C)
OR	613 171 9606	LEVER,CLEANER,VHR-797SP ONLY (#D)
8010B	613 158 5829	ASSY,ROLLER,CLEANER,VHR-797SP ONLY (#C)
OR	613 171 9439	ASSY,MOUNTING CLEANER, VHR-797SP ONLY (#D)

LOCATION	PARTS NO.	DESCRIPTION

MECHANISM PARTS 2

10110	613 173 9451	COMPL PWB,MC-1
10130	645 007 1560	SWITCH,MODE (S8001)
10160	412 048 7505	SPECIAL SCREW-2.6X4
10200	412 048 8304	SPECIAL SCREW-2.6X8
10700	613 167 5926	MOUNTING CAPSTAN
10720	412 048 8007	SPECIAL SCREW-2.6X6
10800	613 160 4179	ASSY,EARTH CYL
OR	613 165 8523	ASSY,EARTH CYL
10810	412 048 8007	SPECIAL SCREW-2.6X6
20500	613 160 4186	ASSY,GEAR,FRICTION
20510	411 109 1605	WASHER Y 2.6X6X0.25
20800	613 151 9039	BELT,REEL
31000	613 152 0165	SLIDE,ACT BRAKE S
31200	613 159 0991	LEVER,CONTROL BRAKE
31300	613 159 0847	COMPL,LEVER,ACT BRAKE
31400	613 152 0332	SPRING,RETURN BRAKE
31500	613 151 9459	LEVER,CHANGE CLUTCH
31600	613 152 0349	SPRING,CHANGE CLUTCH
40400	613 153 7583	ASSY,LEVER SPRING BT
5030A	613 152 2763	GEAR,LOAD S
5030B	613 152 0370	SPRING,LOAD S
5030C	613 160 3691	ASSY,LEVER,LOAD S
5040A	613 152 2770	GEAR,LOAD T
5040B	613 152 0363	SPRING,LOAD T
5040C	613 160 3707	ASSY,LEVER,LOAD T
60100	645 003 4305	ASSY,MOTOR LOADING
60200	613 151 8599	COMPL,GEAR,WORM
60300	613 151 9107	DAMPER
60400	613 151 9138	GEAR,WHEEL 1
60500	613 160 3790	GEAR,WHEEL 2
60600	613 156 4008	CAM,MAIN
60610	412 054 6806	SPECIAL WASHER 3.6X0.5
60700	613 159 9017	SLIDE,CRESCENT
60800	613 159 8997	MOUNTING,CRESCENT
60810	412 048 8007	SPECIAL SCREW-2.6X6
70500	645 008 1880	MOTOR,CAPSTAN DC 3W
70510	412 048 7604	SPECIAL SCREW-2.6X6



N.S.P. : Not available as service parts.

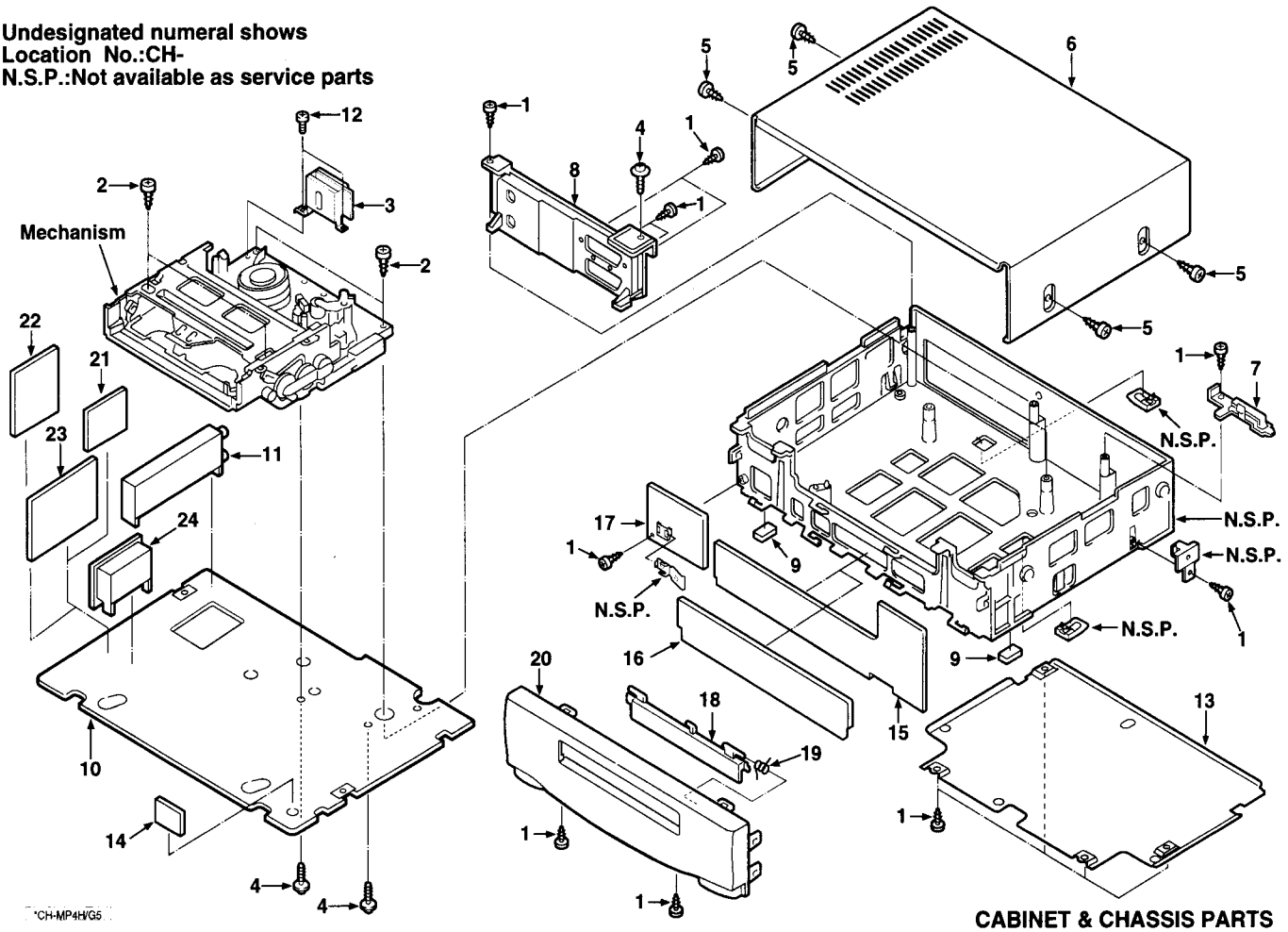
MECHANISM-PART 2

MA4/U4-M2

CABINET AND CHASSIS PARTS

LOCATION	PARTS NO.	DESCRIPTION
CH-1	411 137 0007	SCR L-TPG BIN 3X10
CH-2	411 021 7907	SCR S-TPG BIN 4X12
CH-3	613 172 9162	COMPL PWB,VP-1
CH-4	412 052 5108	SPECIAL SCREW-2.6X12
CH-5	412 028 9406	SPECIAL SCREW
CH-6	613 177 5404	COVER TOP,EXCEPT VHR-757EX,VHR-757NL
OR	613 163 4794	COVER TOP,EXCEPT VHR-757EX,VHR-757NL
OR	613 177 5381	COVER TOP,VHR-757EX,VHR-757NL
OR	613 160 6036	COVER TOP,VHR-757EX,VHR-757NL
CH-7	613 160 2885	HOLDER
CH-8	613 173 5620	TERMINAL,VHR-757EX,VHR-757G,VHR-757NL
OR	613 173 4418	TERMINAL,VHR-797SP ONLY
OR	613 173 3244	TERMINAL,VHR-777EX,VHR-777EV
CH-9	613 121 1001	STAND,FELT (FRONT)
CH-10	613 174 3052	COMPL PWB,CP-1-A,VHR-777EV ONLY
OR	613 175 6212	COMPL PWB,CP-1-A,VHR-777EX ONLY
OR	613 175 8148	COMPL PWB,CP-1-A,VHR-757EX ONLY
OR	613 175 8155	COMPL PWB,CP-1-A,VHR-757G ONLY
OR	613 177 1772	COMPL PWB,CP-1-A,VHR-757NL ONLY
OR	613 173 3374	COMPL PWB,CP-1-A,VHR-797SP ONLY
CH-11	645 019 0070	TUNER,RF/TU/IF
CH-12	411 001 1901	SCR S-TPG BIN 3X6
CH-13	613 160 5091	COVER BOTTOM
CH-14	613 134 4730	COMPL PCB,TM-8,VHR-757G ONLY
OR	613 158 5751	COMPL PCB,TM-9,EXCEPT VHR-757G
CH-15	613 173 2865	COMPL PWB,TM-1,VHR-797SP ONLY
OR	613 174 0884	COMPL PWB,TM-1,VHR-777EX,VHR-777EV
CH-16	613 173 9192	COMPL PWB,TM-1,VHR-757EX, VHR-757G,VHR-757NL
CH-17	613 173 0465	COMPL PWB,TB-2,VHR-797SP ONLY
CH-18	613 176 0912	DOOR CASSETTE,VHR-757G ONLY
OR	613 177 0218	DOOR CASSETTE,VHR-777EX ONLY
OR	613 177 2298	DOOR CASSETTE,VHR-757EX ONLY
OR	613 177 2281	DOOR CASSETTE,VHR-757NL ONLY
OR	613 173 2384	DOOR CASSETTE,VHR-797SP ONLY
OR	613 174 3359	DOOR CASSETTE,VHR-777EV ONLY
CH-19	613 153 0478	SPRING
CH-20	613 173 8928	ASSY,CABINET FRONT,VHR-797SP ONLY
OR	613 177 2243	ASSY,CABINET FRONT,VHR-757EX ONLY
OR	613 176 2930	ASSY,CABINET FRONT,VHR-777EX,VHR-777EV
OR	613 177 2236	ASSY,CABINET FRONT SID,VHR-757NL ONLY
OR	613 176 0875	ASSY,CABINET FRONT,VHR-757G ONLY
CH-21	613 173 4470	COMPL PWB,TN-3,VHR-757G,VHR-757NL, VHR-777EV
CH-22	613 169 3777	COMPL PWB,TN-5,VHR-777EX,VHR-757EX
CH-23	613 173 2827	COMPL PWB,TN-6,VHR-797SP ONLY
CH-24	613 176 3913	COMPL PWB,AD-5,VHR-797SP ONLY

Undesignated numeral shows Location No.:CH-
N.S.P.:Not available as service parts



CABINET & CHASSIS PARTS

ELECTRICAL PARTS

Note:

1. Materials of Capacitors and Resistors are abbreviated as follows ;

Resistors		Capacitors	
MT-FILM	Metallized Film Resistor	MT-POLYEST	Metallized Polyester Capacitor
MT-GLAZE	Metallized Glaze Resistor	MT-COMPO	Metallized Composite Capacitor
OXIDE-MT	Oxide Metallized Film Resistor	TA-SOLD	Tantalum Solid Capacitor
		AL-SOLID	Aluminum Solid Capacitor
		NP-ELECT	Non-Polarized Electrolytic Capacitor
		OS-SOLID	Aluminum Solid Capacitors with Organic Semiconductive Electrolytic Capacitor
		DL-ELECT	Double Layered Electrolytic Capacitor

2. Tolerance of Capacitor (10pF over) and Resistor are noted with follow symboles.
   F .....1% G .....2% J .....5% K 10%
   M .....20% N .....30% Z .....+80% ~ -20%
3. Capacitors
   U : μF P : pF
4. Inductors
   UH : μH MH : mH
5. N.S.P. : Not available as service parts.

LOCATION	PARTS NO.	DESCRIPTION
COMPL PWB,CP-1-A		
	613 174 3052	VHR-777EV ONLY
OR	613 175 6212	VHR-777EX ONLY
OR	613 175 8148	VHR-757EX ONLY
OR	613 175 8155	VHR-757G ONLY
OR	613 177 1772	VHR-757NL ONLY
OR	613 173 3374	VHR-797SP ONLY
	(SEMICONDUCTORS)	
Q1002	405 035 6100	TR 2SC2413K-Q
Q1004	405 014 4509	TR 2SC2412K-R
OR	405 014 4608	TR 2SC2412K-S
Q1005	405 014 4509	TR 2SC2412K-R
OR	405 014 4608	TR 2SC2412K-S
Q1007	405 002 0308	TR 2SA1037K-R,VHR-797SP,VHR-777EX, VHR-777EV
OR	405 002 0407	TR 2SA1037K-S,VHR-797SP,VHR-777EX, VHR-777EV
Q1101	405 002 0308	TR 2SA1037K-R
OR	405 002 0407	TR 2SA1037K-S
Q1102	405 014 4509	TR 2SC2412K-R
OR	405 014 4608	TR 2SC2412K-S
Q1301	405 006 1806	TR 2SA933S-R
Q1303	405 006 1806	TR 2SA933S-R,VHR-797SP ONLY
Q1304	405 002 0308	TR 2SA1037K-R
OR	405 002 0407	TR 2SA1037K-S
Q1402	405 002 0308	TR 2SA1037K-R,VHR-797SP,VHR-777EX, VHR-777EV
OR	405 002 0407	TR 2SA1037K-S,VHR-797SP,VHR-777EX, VHR-777EV
Q2021	405 018 0002	TR 2SC3331-S
OR	405 018 0101	TR 2SC3331-T
OR	405 018 0200	TR 2SC3331-U
Q2022	405 025 0200	TR 2SD734-G
OR	405 024 9907	TR 2SD734-F
Q2023	405 003 5609	TR 2SA1318-S
OR	405 003 5708	TR 2SA1318-T
OR	405 003 5807	TR 2SA1318-U
Q2024	405 018 0002	TR 2SC3331-S
OR	405 018 0101	TR 2SC3331-T
OR	405 018 0200	TR 2SC3331-U
Q2025	405 018 0002	TR 2SC3331-S
OR	405 018 0101	TR 2SC3331-T
OR	405 018 0200	TR 2SC3331-U
Q2026	405 029 3504	TR DTC144EK,VHR-797SP ONLY
Q2027	405 000 2007	TR DTA144EK,VHR-797SP ONLY
Q2031	405 029 3504	TR DTC144EK
Q2302	405 006 6702	TR 2SA984-F
OR	405 006 7204	TR 2SA984K-F
Q2341	405 064 0100	TR 2SA1561-Q
OR	405 064 0209	TR 2SA1561-R
OR	405 123 6708	TR 2SB1320A-Q
OR	405 123 6807	TR 2SB1320A-R
Q2342	405 015 8407	TR 2SC2812-L5
Q2342	405 015 8704	TR 2SC2812-L6
OR	405 014 4509	TR 2SC2412K-R
OR	405 014 4608	TR 2SC2412K-S
Q2351	405 000 0508	TR DTA114ES,VHR-797SP ONLY
Q2352	405 029 3504	TR DTC144EK,VHR-797SP ONLY
Q2353	405 018 0101	TR 2SC3331-T,VHR-797SP ONLY
OR	405 018 0200	TR 2SC3331-U,VHR-797SP ONLY
Q2391	405 002 6508	TR 2SA1179-M5,VHR-797SP ONLY
OR	405 002 6706	TR 2SA1179-M6,VHR-797SP ONLY
OR	405 002 0308	TR 2SA1037K-R,VHR-797SP ONLY
OR	405 002 0407	TR 2SA1037K-S,VHR-797SP ONLY
Q2392	405 029 3504	TR DTC144EK,VHR-797SP ONLY
Q3301	405 000 5305	TR DTC143TK,VHR-797SP,VHR-777EX, VHR-757EX
Q3302	405 000 2007	TR DTA144EK,VHR-797SP,VHR-777EX, VHR-757EX
Q3504	405 029 3504	TR DTC144EK
Q3551	405 014 4509	TR 2SC2412K-R
OR	405 014 4608	TR 2SC2412K-S
Q3552	405 014 4509	TR 2SC2412K-R
OR	405 014 4608	TR 2SC2412K-S
Q3553	405 014 4509	TR 2SC2412K-R
OR	405 014 4608	TR 2SC2412K-S
Q5001	405 126 0208	TR 2SK1460LS
Q5002	405 013 7006	TR 2SC2274-F
OR	405 013 7303	TR 2SC2274K-F
Q5003	405 006 6702	TR 2SA984-F
OR	405 006 7204	TR 2SA984K-F
Q5004	405 013 7006	TR 2SC2274-F
OR	405 013 7303	TR 2SC2274K-F
Q5101	405 089 2103	TR 2SC4483-S
OR	405 089 2202	TR 2SC4483-T
Q5102	405 089 2103	TR 2SC4483-S
OR	405 089 2202	TR 2SC4483-T
Q5103	405 013 6801	TR 2SC2274-E
OR	405 013 7006	TR 2SC2274-F
OR	405 013 7204	TR 2SC2274K-E
OR	405 013 7303	TR 2SC2274K-F
Q5104	405 089 2103	TR 2SC4483-S
OR	405 089 2202	TR 2SC4483-T
Q5105	405 099 8508	TR 2SC4640S
OR	405 011 8401	TR 2SC1740S-Q
OR	405 093 0607	TR KSC2785-Y
OR	405 099 8607	TR 2SC4640T
OR	405 011 8500	TR 2SC1740S-R
Q5131	405 089 2103	TR 2SC4483-S
OR	405 089 2202	TR 2SC4483-T
Q5132	405 000 0409	TR DTA114EK
Q5133	405 000 2908	TR DTC114EK
Q5134	405 099 8508	TR 2SC4640S
OR	405 011 8401	TR 2SC1740S-Q
OR	405 093 0607	TR KSC2785-Y
OR	405 099 8607	TR 2SC4640T
OR	405 011 8500	TR 2SC1740S-R

LOCATION	PARTS NO.	DESCRIPTION
	(INTEGRATED CIRCUITS)	
IC101	410 273 1909	IC LA71511ML-MPB
IC102	409 372 4508	IC LC89977M
IC131	409 258 5209	IC BA7630S,VHR-797SP ONLY
IC141	410 225 2701	IC LC74783M-9083-TRM,VHR-797SP, VHR-777EX,VHR-777EV
OR	410 228 1404	IC LC74783M-9095-TRM,VHR-797SP, VHR-777EX,VHR-777EV
IC231	409 392 2201	IC BH7801AK
IC232	409 051 2900	IC TC4053BF,VHR-797SP ONLY
OR	409 051 2900	IC TC4053BF,VHR-797SP ONLY
IC233	409 051 2900	IC TC4053BF,VHR-797SP ONLY
OR	409 051 2900	IC TC4053BF,VHR-797SP ONLY
IC301	410 290 9407	IC LC866852A-5E79,VHR-797SP, VHR-777EX,VHR-777EV
OR	410 291 1905	IC LC866744A-5E83,VHR-757EX,VHR-757G, VHR-757NL
IC302	409 314 2005	IC LB1643
IC303	409 313 0903	IC MN1381-L
OR	409 243 4101	IC MN1380-L
IC304	409 368 9807	IC BR24C01A,VHR-757EX,VHR-757NL
OR	410 177 3702	IC AT24C04-10PC,EXCEPT VHR-757EX, VHR-757NL
OR	409 348 6901	IC XL24C04P,EXCEPT VHR-757EX,VHR-757NL
OR	410 177 3801	IC AT24C01A-10PC,VHR-757EX,VHR-757NL
OR	409 348 3702	IC XL24C01AP,VHR-757EX,VHR-757NL
OR	410 172 6906	IC X24C04PC7346,EXCEPT VHR-757EX, VHR-757NL
OR	410 172 6708	IC X24C01APC7284,VHR-757EX,VHR-757NL
OR	410 189 5800	IC 24LC04B/P,EXCEPT VHR-757EX,VHR-757NL
OR	410 189 5602	IC 24LC01B/P,VHR-757EX,VHR-757NL
IC351	409 398 5008	IC BU2896AK
IC511	409 180 2307	IC UPC1093J
	(DIODES)	
D1001	407 012 4406	DIODE 1SS133,VHR-757EX,VHR-757G, VHR-757NL
D1002	407 012 4406	DIODE 1SS133,VHR-757EX,VHR-757G, VHR-757NL
D1301	407 012 4406	DIODE 1SS133
D1302	407 012 4406	DIODE 1SS133
D1303	407 012 4406	DIODE 1SS133,VHR-797SP ONLY
D1304	407 012 4406	DIODE 1SS133,VHR-797SP ONLY
D1341	407 012 4406	DIODE 1SS133,EXCEPT VHR-797SP
D1342	407 012 4406	DIODE 1SS133,EXCEPT VHR-797SP
D1345	407 063 8804	ZENER DIODE MTZJ5.6A,VHR-797SP ONLY
D1346	407 063 8804	ZENER DIODE MTZJ5.6A,VHR-797SP ONLY
D1347	407 012 4406	DIODE 1SS133,VHR-777EX,VHR-777EV
D1348	407 012 4406	DIODE 1SS133,VHR-777EX,VHR-777EV
D2301	407 012 4406	DIODE 1SS133
D2341	407 012 4406	DIODE 1SS133
D2371	407 099 7000	ZENER DIODE MTZJ15B
D2372	407 063 8804	ZENER DIODE MTZJ5.6A,VHR-797SP ONLY
D2373	407 099 7000	ZENER DIODE MTZJ15B,VHR-797SP, VHR-777EX,VHR-777EV
D2374	407 063 8804	ZENER DIODE MTZJ5.6A,VHR-797SP ONLY
D3001	407 012 4406	DIODE 1SS133
D3102	407 012 4406	DIODE 1SS133
D3103	407 012 4406	DIODE 1SS133,VHR-757EX,VHR-757NL
D3105	407 012 4406	DIODE 1SS133,VHR-797SP,VHR-777EX, VHR-777EV
D3106	407 012 4406	DIODE 1SS133,VHR-797SP,VHR-777EX, VHR-777EV
D3107	407 012 4406	DIODE 1SS133,VHR-797SP ONLY
D3108	407 012 4406	DIODE 1SS133,VHR-797SP ONLY
D3111	407 012 4406	DIODE 1SS133,VHR-797SP ONLY
D3114	407 012 4406	DIODE 1SS133,VHR-797SP ONLY
D3115	407 012 4406	DIODE 1SS133,EXCEPT VHR-757G
D3117	407 012 4406	DIODE 1SS133
D3122	407 012 4406	DIODE 1SS133,VHR-797SP ONLY
D3124	407 012 4406	DIODE 1SS133
D3401	407 100 0006	ZENER DIODE MTZJ33C
D3502	407 012 4406	DIODE 1SS133
D3554	407 012 4406	DIODE 1SS133
D5001	407 197 6509	DIODE DB155G-S
OR	407 104 5304	DIODE S1WB(A)60
D5003	407 078 2705	DIODE 1SS244
D5004	407 078 2705	DIODE 1SS244
D5006	407 078 2705	DIODE 1SS244
D5010	407 091 6704	DIODE AP01C

LOCATION	PARTS NO.	DESCRIPTION
D5013 ⚠	407 169 5608	PHOTO COUPLE PC123U2
D5101	407 169 5707	DIODE RL2Z-LF-C4
OR	407 198 2609	DIODE SF34
OR	407 160 9308	DIODE ERB93-02L3
D5102	407 198 2500	DIODE SF24
OR	407 160 9308	DIODE ERB93-02L3
D5103	407 078 2705	DIODE 1SS244
D5104	407 078 2705	DIODE 1SS244
D5105	407 198 2401	DIODE SFT14
OR	407 100 6909	DIODE AG01
D5107	407 063 8903	ZENER DIODE MTZJ5.6C
D5108	407 063 8903	ZENER DIODE MTZJ5.6C
D5109	407 063 8903	ZENER DIODE MTZJ5.6C
D5110	407 099 6607	ZENER DIODE MTZJ12B
D5111	407 099 5501	ZENER DIODE MTZJ6.2C
D5112	407 004 9709	DIODE DSK10C
OR	407 005 8701	DIODE ERA15-02
D5113	407 004 9709	DIODE DSK10C
OR	407 005 8701	DIODE ERA15-02
	(CRYSTAL DEVICES)	
X1001	645 000 6012	OSC,CRYSTAL 4.433619MHZ
OR	645 000 6029	OSC,CRYSTAL 4.433619MHZ
OR	645 002 4436	OSC,CRYSTAL 4.433619MHZ
OR	645 014 8378	OSC,CRYSTAL 4.433619MHZ
X3001	645 008 8360	OSC,CERAMIC 8.500MHZ
OR	645 007 8460	OSC,CERAMIC 8.500MHZ
X3002	613 109 0972	OSC,CRYSTAL 32KHZ
OR	645 004 1938	OSC,CRYSTAL 32.768KHZ
	(VARIABLE RESISTORS)	
VR351	645 006 5538	VR,SEMI,220K N
OR	645 003 5593	VR,SEMI,220K N
OR	645 003 5166	VR,SEMI,220K N
	(INDUCTORS)	
L1002	645 001 4611	INDUCTOR 120U J
OR	645 003 7948	INDUCTOR,120U J
L1003	645 002 1510	INDUCTOR 68U J
OR	645 003 8228	INDUCTOR,68U J
L1006	645 001 4642	INDUCTOR 22U J
OR	645 003 8013	INDUCTOR,22U J
L1007	645 002 1411	INDUCTOR 10U J
OR	645 003 7894	INDUCTOR,10U J
L1101	645 008 7400	CORE,BEAD
L1102	645 009 3791	CORE,BEAD
L1363	645 006 3817	INDUCTOR,0.22U K,VHR-797SP ONLY
L1401	645 001 5472	INDUCTOR 33U J,VHR-797SP,VHR-777EX, VHR-777EV
OR	645 003 8105	INDUCTOR,33U J,VHR-797SP,VHR-777EX, VHR-777EV
L1402	645 002 1497	INDUCTOR 56U J,VHR-797SP,VHR-777EX, VHR-777EV
OR	645 003 8181	INDUCTOR,56U J,VHR-797SP,VHR-777EX, VHR-777EV
L1404	645 002 1442	INDUCTOR 18U J,VHR-797SP,VHR-777EX, VHR-777EV
OR	645 003 7986	INDUCTOR,18U J,VHR-797SP,VHR-777EX, VHR-777EV
L2021	645 003 6934	INDUCTOR,100U J
OR	645 003 7634	INDUCTOR,100U J
L2022	645 020 7396	INDUCTOR,180U K,VHR-797SP ONLY
L2371	645 008 7400	CORE,BEAD
L2372	645 008 7400	CORE,BEAD,VHR-797SP,VHR-777EX, VHR-777EV
L2373	645 003 6934	INDUCTOR,100U J
OR	645 003 7634	INDUCTOR,100U J
L3001	645 009 3791	CORE,BEAD
L3003	645 009 3791	CORE,BEAD
L3301	645 001 4550	INDUCTOR 10U K
OR	645 003 7900	INDUCTOR,10U K
L3304	645 006 3886	INDUCTOR,1U K,EXCEPT VHR-777EX, VHR-757EX
OR	645 005 3856	INDUCTOR,1U M,EXCEPT VHR-777EX, VHR-757EX
L3305	645 001 5441	INDUCTOR,2.2U K,VHR-777EX,VHR-757EX
OR	645 005 3887	INDUCTOR,2.2U M,VHR-777EX,VHR-757EX
L5001 ⚠	645 013 5620	LINE FILTER
L5010	645 006 3602	INDUCTOR,1.1UH
OR	645 024 3417	INDUCTOR,2.0UH
L5011	645 009 3791	CORE,BEAD
L5101	645 006 3602	INDUCTOR,1.1UH

LOCATION	PARTS NO.	DESCRIPTION
L5101	645 024 3417	INDUCTOR,2.0UH
L5102	645 006 3602	INDUCTOR,1.1UH
OR	645 024 3417	INDUCTOR,2.0UH
L5109	645 009 3791	CORE,BEAD
	(TRANSFORMERS)	
T2001	645 018 3515	TRANS,OSC,70KHZ
T2351	645 020 8973	TRANS,OSC,70KHZ,VHR-797SP ONLY
T5001 ⚠	645 020 8676	TRANS,POWER,PULSE
	(CAPACITORS)	
C1001	403 191 8709	ELECT 1U M 50V
C1002	403 189 2405	ELECT 10U M 16V
C1003	403 135 4002	ELECT 47U M 6.3V
C1004	403 068 0409	CERAMIC 0.1U Z 25V
C1005	403 163 7907	ELECT 47U M 6.3V
C1006	403 068 0409	CERAMIC 0.1U Z 25V
C1007	403 191 8709	ELECT 1U M 50V
C1009	403 191 8709	ELECT 1U M 50V
C1010	403 014 9302	CERAMIC 180P J 50V
C1011	403 023 4503	CERAMIC 330P J 50V
C1012	403 020 0508	CERAMIC 27P J 50V
C1013	403 150 6500	ELECT 22U M 16V
C1014	403 069 5601	CERAMIC 0.01U K 50V
C1015	403 022 8304	CERAMIC 33P J 50V
C1016	403 001 1906	CERAMIC 0.01U M 16V
C1017	403 001 1906	CERAMIC 0.01U M 16V
C1018	403 130 3109	CERAMIC 0.047U K 50V
C1019	403 191 8709	ELECT 1U M 50V
C1021	403 130 3109	CERAMIC 0.047U K 50V
C1022	403 109 6308	ELECT 1U M 50V
C1023	403 130 3109	CERAMIC 0.047U K 50V
C1024	403 192 5905	CERAMIC 0.1U K 25V
C1025	403 069 5601	CERAMIC 0.01U K 50V
C1026	403 191 8709	ELECT 1U M 50V
C1027	403 072 1607	CERAMIC 0.022U K 50V
C1028	403 191 8709	ELECT 1U M 50V
C1029	403 163 7907	ELECT 47U M 6.3V
C1030	403 068 0409	CERAMIC 0.1U Z 25V
C1031	403 069 5601	CERAMIC 0.01U K 50V
C1032	403 191 8709	ELECT 1U M 50V
C1033	403 014 3409	CERAMIC 18P J 50V
C1040	403 189 2405	ELECT 10U M 16V
C1041	403 020 0409	CERAMIC 27P J 50V
C1043	403 086 2805	NP-ELECT 1U M 50V,EXCEPT VHR-797SP
C1044	403 026 2803	CERAMIC 47P J 50V,EXCEPT VHR-797SP
C1046	403 001 3306	CERAMIC 1200P M 16V
C1047	403 028 4102	CERAMIC 56P J 50V
C1048	403 012 6907	CERAMIC 15P J 50V
C1050	403 012 6907	CERAMIC 15P J 50V
C1051	403 026 2803	CERAMIC 47P J 50V
C1052	403 026 2803	CERAMIC 47P J 50V,VHR-797SP, VHR-777EX,VHR-777EV
C1101	403 191 8709	ELECT 1U M 50V
C1102	403 163 7907	ELECT 47U M 6.3V
C1103	403 068 0409	CERAMIC 0.1U Z 25V
C1104	403 069 5601	CERAMIC 0.01U K 50V
C1105	403 069 5601	CERAMIC 0.01U K 50V
C1106	403 069 5601	CERAMIC 0.01U K 50V
C1107	403 069 5601	CERAMIC 0.01U K 50V
C1108	403 192 5905	CERAMIC 0.1U K 25V
C1109	403 068 0409	CERAMIC 0.1U Z 25V
C1301	403 135 4101	ELECT 470U M 6.3V
C1302	403 068 0409	CERAMIC 0.1U Z 25V,VHR-797SP ONLY
C1303	403 068 0409	CERAMIC 0.1U Z 25V
C1341	403 154 2102	NP-ELECT 1U M 50V,VHR-797SP ONLY
C1342	403 068 0409	CERAMIC 0.1U Z 25V,VHR-797SP ONLY
C1343	403 026 2902	CERAMIC 47P J 50V,VHR-797SP ONLY
C1344	403 154 2102	NP-ELECT 1U M 50V,VHR-797SP ONLY
C1346	403 107 9905	ELECT 10U M 16V,VHR-797SP ONLY
C1351	403 107 9905	ELECT 10U M 16V,VHR-797SP ONLY
C1352	403 086 2805	NP-ELECT 1U M 50V,VHR-797SP ONLY
OR	403 191 8709	ELECT 1U M 50V,EXCEPT VHR-797SP
C1353	403 109 6308	ELECT 1U M 50V,VHR-797SP,VHR-777EX, VHR-777EV
C1401	403 022 8205	CERAMIC 33P J 50V,VHR-797SP,VHR-777EX, VHR-777EV
C1403	403 109 6308	ELECT 1U M 50V,VHR-797SP,VHR-777EX, VHR-777EV
C1404	403 069 9500	CERAMIC 0.01U Z 50V,VHR-797SP, VHR-777EX, VHR-777EV
C1405	403 135 4002	ELECT 47U M 6.3V,VHR-797SP,VHR-777EX, VHR-777EV
C1406	403 018 0503	CERAMIC 22P J 50V,VHR-797SP,VHR-777EX, VHR-777EV
C1407	403 018 0503	CERAMIC 22P J 50V,VHR-797SP,VHR-777EX, VHR-777EV
C1410	403 009 5807	CERAMIC 100P J 50V,VHR-797SP, VHR-777EX, VHR-777EV
C1411	403 070 5508	CERAMIC 1200P K 50V,VHR-797SP, VHR-777EX,VHR-777EV
C1412	403 109 6308	ELECT 1U M 50V,VHR-797SP,VHR-777EX, VHR-777EV
C1414	403 014 3508	CERAMIC 18P J 50V,VHR-797SP,VHR-777EX, VHR-777EV
C2001	403 191 8709	ELECT 1U M 50V
C2002	403 069 5601	CERAMIC 0.01U K 50V,VHR-797SP ONLY
OR	403 069 1702	CERAMIC 1000P K 50V,EXCEPT VHR-797SP
C2003	403 069 5601	CERAMIC 0.01U K 50V
C2004	403 189 2405	ELECT 10U M 16V
C2005	403 167 7002	ELECT 4.7U M 50V
C2006	403 068 0409	CERAMIC 0.1U Z 25V
C2007	403 167 7002	ELECT 4.7U M 50V
C2008	403 068 0409	CERAMIC 0.1U Z 25V
C2009	403 159 8109	ELECT 100U M 6.3V
C2010	403 167 6500	ELECT 33U M 6.3V
C2011	403 167 6500	ELECT 33U M 6.3V
C2012	403 068 0409	CERAMIC 0.1U Z 25V
C2013	403 189 2405	ELECT 10U M 16V
C2016	403 163 8409	ELECT 47U M 16V
C2017	403 075 5305	CERAMIC 8200P K 50V
C2018	403 069 5601	CERAMIC 0.01U K 50V
C2019	403 068 0409	CERAMIC 0.1U Z 25V,VHR-797SP ONLY
C2021	403 075 4803	CERAMIC 820P K 50V
C2022	403 070 5508	CERAMIC 1200P K 50V
C2023	403 075 0706	CERAMIC 6800P K 50V
C2024	403 075 0706	CERAMIC 6800P K 50V
C2025	403 193 7809	ELECT 100U M 16V
C2026	403 081 3302	POLYPRO 0.022U J 100V
C2027	403 068 0409	CERAMIC 0.1U Z 25V
C2028	403 189 2405	ELECT 10U M 16V,VHR-797SP ONLY
C2301	403 189 2405	ELECT 10U M 16V
C2302	403 189 2405	ELECT 10U M 16V
C2303	403 072 1607	CERAMIC 0.022U K 50V
C2304	403 072 1607	CERAMIC 0.022U K 50V
C2305	403 073 9107	CERAMIC 4700P K 50V
C2306	403 073 9107	CERAMIC 4700P K 50V
C2307	403 193 7809	ELECT 100U M 16V
C2308	403 193 7809	ELECT 100U M 16V
C2309	403 070 8806	CERAMIC 1500P K 50V
C2310	403 070 8806	CERAMIC 1500P K 50V
C2311	403 139 1502	ELECT 10U M 16V
C2312	403 139 1502	ELECT 10U M 16V
C2321	403 167 7002	ELECT 4.7U M 50V
C2323	403 193 7809	ELECT 100U M 16V
C2324	403 163 8409	ELECT 47U M 16V
C2325	403 072 1607	CERAMIC 0.022U K 50V
C2326	403 001 1906	CERAMIC 0.01U M 16V
C2327	403 139 1809	ELECT 47U M 16V
C2332	403 193 7809	ELECT 100U M 16V
C2351	403 134 9602	ELECT 47U M 16V,VHR-797SP ONLY
C2352	403 069 5601	CERAMIC 0.01U K 50V,VHR-797SP ONLY
C2353	403 069 5601	CERAMIC 0.01U K 50V,VHR-797SP ONLY
C2354	403 081 7409	POLYPRO 0.033U J 100V,VHR-797SP ONLY
C2361	403 069 0309	CERAMIC 1000P J 50V,VHR-797SP, VHR-777EX, VHR-777EV
C2362	403 069 0309	CERAMIC 1000P J 50V,VHR-797SP, VHR-777EX,VHR-777EV
C2363	403 069 1702	CERAMIC 1000P K 50V
C2364	403 069 1702	CERAMIC 1000P K 50V
C2365	403 018 7502	CERAMIC 220P J 50V
C2366	403 018 7502	CERAMIC 220P J 50V
C2367	403 069 1702	CERAMIC 1000P K 50V,VHR-797SP ONLY
C2368	403 069 1702	CERAMIC 1000P K 50V,VHR-797SP ONLY
C2369	403 018 7502	CERAMIC 220P J 50V,VHR-797SP VHR-777EX, VHR-777EV
C2370	403 018 7502	CERAMIC 220P J 50V,VHR-797SP, VHR-777EX, VHR-777EV
C2371	403 134 9602	ELECT 47U M 16V,VHR-797SP ONLY
C2372	403 071 8102	CERAMIC 2200P K 50V

LOCATION	PARTS NO.	DESCRIPTION
C3001	403 018 0503	CERAMIC 22P J 50V
C3002	403 014 2501	CERAMIC 18P J 50V,VHR-757EX,VHR-757G, VHR-747NL
OR	403 012 5900	CERAMIC 15P J 50V,VHR-797SP,VHR-777EX, VHR-777EV
C3004	403 069 5601	CERAMIC 0.01U K 50V
C3005	403 069 5601	CERAMIC 0.01U K 50V
C3008	403 150 6500	ELECT 22U M 16V
C3009	403 069 5601	CERAMIC 0.01U K 50V
C3011	403 068 0409	CERAMIC 0.1U Z 25V
C3012	403 069 5601	CERAMIC 0.01U K 50V
C3014	403 135 4101	ELECT 470U M 6.3V, EXCEPT VHR-757EX,VHR-757NL
OR	403 206 9004	ELECT 1000U M 6.3V,VHR-757EX,VHR-757NL
C3016	403 069 5601	CERAMIC 0.01U K 50V
C3019	403 068 0409	CERAMIC 0.1U Z 25V
C3022	403 305 4801	DL-ELECT 0.1F Z 5.5V, EXCEPT VHR-757EX,VHR-757NL
C3034	403 069 5601	CERAMIC 0.01U K 50V
C3037	403 028 3402	CERAMIC 56P J 50V
C3040	403 009 5807	CERAMIC 100P J 50V,VHR-797SP, VHR-777EX,VHR-777EV
C3041	403 009 5807	CERAMIC 100P J 50V,VHR-797SP, VHR-777EX,VHR-777EV
C3042	403 009 5807	CERAMIC 100P J 50V,VHR-797SP, VHR-777EX,VHR-777EV
C3043	403 009 5807	CERAMIC 100P J 50V,VHR-797SP, VHR-777EX,VHR-777EV
C3301	403 107 9905	ELECT 10U M 16V
C3302	403 107 9905	ELECT 10U M 16V, EXCEPT VHR-777EX,VHR-757EX
OR	403 134 8100	ELECT 100U M 6.3V,VHR-777EX, VHR-757EX
C3303	403 024 7206	CERAMIC 390P J 50V
C3307	403 068 0409	CERAMIC 0.1U Z 25V
C3314	403 189 2405	ELECT 10U M 16V
C3315	403 068 3608	CERAMIC 0.033U Z 25V,VHR-797SP, VHR-777EX,VHR-757EX
C3316	403 167 7002	ELECT 4.7U M 50V,VHR-797SP, VHR-777EX,VHR-757EX
C3318	403 011 5000	CERAMIC 120P J 50V
C3320	403 030 7009	CERAMIC 68P J 50V
C3324	403 121 9509	CERAMIC 0.1U Z 50V
C3325	403 068 0409	CERAMIC 0.1U Z 25V
C3326	403 009 5807	CERAMIC 100P J 50V,VHR-797SP ONLY
C3327	403 009 5807	CERAMIC 100P J 50V,VHR-797SP ONLY
C3328	403 068 9402	CERAMIC 100P K 50V,VHR-797SP ONLY
C3329	403 068 9402	CERAMIC 100P K 50V,VHR-797SP ONLY
C3330	403 121 9509	CERAMIC 0.1U Z 50V,VHR-797SP ONLY
C3404	403 193 8905	ELECT 22U M 50V
C3501	403 070 9803	CERAMIC 0.015U K 50V
C3502	403 075 0706	CERAMIC 6800P K 50V
C3503	403 070 9803	CERAMIC 0.015U K 50V
C3504	403 228 8207	ELECT 22U M 16V
C3505	403 228 8207	ELECT 22U M 16V
C3506	403 075 0706	CERAMIC 6800P K 50V
C3507	403 150 6500	ELECT 22U M 16V
C3508	403 150 6500	ELECT 22U M 16V
C3509	403 163 7907	ELECT 47U M 6.3V
C3511	403 071 6504	CERAMIC 220P K 50V
C3512	403 061 3407	POLYESTER 0.039U J 50V
C3513	403 119 6701	CERAMIC 0.068U K 16V
C3514	403 175 1009	MT-POLYEST 0.15U J 50V
C3515	403 059 6205	POLYESTER 0.022U K 50V
C3516	403 071 8102	CERAMIC 2200P K 50V
C3517	403 070 8806	CERAMIC 1500P K 50V
C3522	403 069 1207	CERAMIC 1000P K 50V
C3523	403 139 2707	ELECT 1U M 50V
C3524	403 069 5601	CERAMIC 0.01U K 50V
C3525	403 139 2608	ELECT 0.47U M 50V
C3526	403 063 7205	POLYESTER 0.082U J 50V
C3536	403 193 7601	ELECT 220U M 6.3V
C3540	403 009 5708	CERAMIC 100P J 50V
C3551	403 175 0903	MT-POLYEST 0.12U J 50V
C3552	403 028 4102	CERAMIC 56P J 50V
C3553	403 191 8709	ELECT 1U M 50V
C3554	403 013 3004	CERAMIC 150P J 50V
C3555	403 069 5601	CERAMIC 0.01U K 50V
C3556	403 069 1702	CERAMIC 1000P K 50V
C3558	403 167 6500	ELECT 33U M 6.3V
C3570	403 070 2606	CERAMIC 0.1U Z 50V
C3571	403 070 2606	CERAMIC 0.1U Z 50V
C5001 ⚠	404 055 4905	MT-POLYEST 0.068U M 250V
C5002 ⚠	404 055 4905	MT-POLYEST 0.068U M 250V
C5005 ⚠	404 074 2104	CERAMIC 1000P M 250V
C5007 ⚠	404 074 2104	CERAMIC 1000P M 250V
C5010	403 249 0204	ELECT 47U M 400V
C5011	403 301 1101	ELECT 4.7U M 50V
C5012	403 076 2402	CERAMIC 3300P K 500V
C5013	403 255 8409	CERAMIC 39P J 1K
C5015	403 192 5905	CERAMIC 0.1U K 25V
C5017	403 024 7107	CERAMIC 390P J 50V
C5020	403 255 8508	CERAMIC 47P J 1K
C5021	403 076 0507	CERAMIC 2200P K 500V
C5025	403 255 8409	CERAMIC 39P J 1K
C5101	403 314 0207	ELECT 1000U M 16V
C5102	403 135 3302	ELECT 1000U M 6.3V
C5103	403 314 0108	ELECT 470U M 16V
C5104	403 125 5507	ELECT 1000U M 16V
C5105	403 304 9302	ELECT 47U M 50V
C5106	403 301 1309	ELECT 47U M 35V
C5107	403 301 1507	ELECT 220U M 6.3V
C5111	403 125 5606	ELECT 100U M 16V
C5112	403 189 2405	ELECT 10U M 16V
C5113	403 193 9001	ELECT 3.3U M 50V
C5114	403 107 9905	ELECT 10U M 16V
C5115	403 135 7805	ELECT 3.3U M 50V
C5116	403 107 9905	ELECT 10U M 16V
C5117	403 135 7805	ELECT 3.3U M 50V
C5118	403 189 2405	ELECT 10U M 16V
C5123	403 075 6906	CERAMIC 100P K 500V
C5124	403 108 0000	ELECT 0.22U M 50V
C5135	403 057 3107	POLYESTER 0.1U K 50V
	(RESISTORS)	
R1001	401 037 5400	MT-GLAZE 1K JA 1/10W
R1002	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R1003	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R1004	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R1005	401 038 6307	MT-GLAZE 470 JA 1/10W
R1006	401 038 6307	MT-GLAZE 470 JA 1/10W
R1011	401 037 5400	MT-GLAZE 1K JA 1/10W
R1012	401 038 6505	MT-GLAZE 47K JA 1/10W
R1014	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R1015	401 039 0403	MT-GLAZE 8.2K JA 1/10W
R1016	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R1017	401 013 6308	CARBON 12K JA 1/4W,VHR-757EX, VHR-757G,VHR-757NL
OR	401 016 4707	CARBON 22K JA 1/4W,VHR-797SP, VHR-777EX,VHR-777EV
R1018	401 014 4006	CARBON 1.5K JA 1/4W,VHR-757EX, VHR-757G,VHR-757NL
R1024	401 037 5400	MT-GLAZE 1K JA 1/10W
R1025	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R1028	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R1033	401 018 2701	CARBON 330 JA 1/4W,EXCEPT VHR-797SP
R1034	401 038 5003	MT-GLAZE 390 JA 1/10W,EXCEPT VHR-797SP
R1040	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R1041	401 038 0701	MT-GLAZE 2.2K JA 1/10W,VHR-797SP, VHR-777EX,VHR-777EV
R1042	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R1045	401 037 7008	MT-GLAZE 1.2M JA 1/10W
R1046	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R1047	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R1048	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R1049	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R1101	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R1102	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R1104	401 015 2605	CARBON 1.8K JA 1/4W
R1301	401 019 0904	CARBON 390 JA 1/4W,EXCEPT VHR-797SP
OR	401 021 1807	CARBON 560 JA 1/4W,VHR-797SP ONLY
R1303	401 022 6702	CARBON 75 JA 1/4W
R1304	401 037 5004	MT-GLAZE 0.000 ZA 1/10W,EXCEPT VHR-797SP
R1309	401 022 1806	CARBON 680 JA 1/4W,VHR-797SP ONLY
R1310	401 022 1806	CARBON 680 JA 1/4W,VHR-797SP ONLY
R1311	401 038 4907	MT-GLAZE 39 JA 1/10W,VHR-797SP ONLY
R1312	401 038 0602	MT-GLAZE 220 JA 1/10W
R1313	401 038 2002	MT-GLAZE 270 JA 1/10W,EXCEPT VHR-797SP
R1314	401 038 3405	MT-GLAZE 33 JA 1/10W,VHR-797SP ONLY

LOCATION	PARTS NO.	DESCRIPTION
R1341	401 037 5400	MT-GLAZE 1K JA 1/10W,VHR-797SP ONLY
R1342	401 012 5609	CARBON 1K JA 1/4W,VHR-797SP ONLY
R1343	401 037 5202	MT-GLAZE 100 JA 1/10W,VHR-797SP ONLY
R1344	401 037 5202	MT-GLAZE 100 JA 1/10W,VHR-797SP ONLY
R1345	401 038 6406	MT-GLAZE 4.7K JA 1/10W,VHR-797SP ONLY
R1346	401 038 6406	MT-GLAZE 4.7K JA 1/10W,VHR-797SP ONLY
R1347	401 038 6406	MT-GLAZE 4.7K JA 1/10W,VHR-797SP ONLY
R1348	401 038 6406	MT-GLAZE 4.7K JA 1/10W,VHR-797SP ONLY
R1349	401 038 3504	MT-GLAZE 330 JA 1/10W,VHR-797SP ONLY
R1350	401 038 5003	MT-GLAZE 390 JA 1/10W,VHR-797SP ONLY
R1351	401 037 5004	MT-GLAZE 0.000 ZA 1/10W,VHR-797SP ONLY
R1352	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R1404	401 038 3603	MT-GLAZE 3.3K JA 1/10W,VHR-797SP, VHR-777EX,VHR-777EV
R1405	401 038 0602	MT-GLAZE 220 JA 1/10W,VHR-797SP, VHR-777EX,VHR-777EV
R1408	401 038 2002	MT-GLAZE 270 JA 1/10W,VHR-797SP ONLY
R1409	401 037 5004	MT-GLAZE 0.000 ZA 1/10W,VHR-757EX, VHR-757G,VHR-777NL
R1410	401 038 0602	MT-GLAZE 220 JA 1/10W
R2001	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R2002	401 037 6803	MT-GLAZE 12K JA 1/10W
R2003	401 037 5400	MT-GLAZE 1K JA 1/10W,VHR-797SP ONLY
OR	401 037 6803	MT-GLAZE 12K JA 1/10W,EXCEPT VHR-797SP
R2004	401 038 3801	MT-GLAZE 330K JA 1/10W
R2005	401 037 8500	MT-GLAZE 160 JA 1/10W
R2006	401 038 5102	MT-GLAZE 3.9K JA 1/10W
R2007	401 038 5102	MT-GLAZE 3.9K JA 1/10W
R2008	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R2009	401 038 3900	MT-GLAZE 3.3M JA 1/10W
R2010	401 038 3702	MT-GLAZE 33K JA 1/10W
R2011	401 037 5608	MT-GLAZE 10K JA 1/10W
R2016	401 037 5004	MT-GLAZE 0.000 ZA 1/10W,VHR-797SP ONLY
R2017	401 039 0403	MT-GLAZE 8.2K JA 1/10W
R2018	401 038 7700	MT-GLAZE 5.6K JA 1/10W,VHR-797SP ONLY
R2021	401 038 2200	MT-GLAZE 27K JA 1/10W
R2022	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R2023	401 037 5400	MT-GLAZE 1K JA 1/10W
R2024	401 038 6208	MT-GLAZE 47 JA 1/10W
R2025	401 011 8809	CARBON 1 JA 1/4W
R2026	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R2027	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R2028	401 037 9101	MT-GLAZE 180 JA 1/10W
R2029	401 037 5608	MT-GLAZE 10K JA 1/10W
R2030	401 038 0800	MT-GLAZE 22K JA 1/10W
R2031	401 037 5004	MT-GLAZE 0.000 ZA 1/10W,EXCEPT VHR-797SP
OR	401 089 8602	MT-GLAZE 4.7M JA 1/10W,VHR-797SP ONLY
R2033	401 037 5608	MT-GLAZE 10K JA 1/10W,VHR-797SP ONLY
R2301	401 020 1907	CARBON 4.7K JA 1/4W
R2302	401 020 1907	CARBON 4.7K JA 1/4W
R2303	401 038 2200	MT-GLAZE 27K JA 1/10W, EXCEPT VHR-777EX,VHR-757EX
OR	401 037 8005	MT-GLAZE 15K JA 1/10W,VHR-777EX, VHR-757EX
R2304	401 038 2200	MT-GLAZE 27K JA 1/10W, EXCEPT VHR-777EX,VHR-757EX
OR	401 037 8005	MT-GLAZE 15K JA 1/10W,VHR-777EX, VHR-757EX
R2305	401 038 3702	MT-GLAZE 33K JA 1/10W,VHR-757G, VHR-757NL,VHR-777EV
OR	401 038 2200	MT-GLAZE 27K JA 1/10W,VHR-797SP ONLY
OR	401 038 5300	MT-GLAZE 39K JA 1/10W,VHR-777EX, VHR-757EX
R2306	401 038 2200	MT-GLAZE 27K JA 1/10W,VHR-797SP ONLY
OR	401 038 5300	MT-GLAZE 39K JA 1/10W,VHR-777EX, VHR-757EX
OR	401 038 3702	MT-GLAZE 33K JA 1/10W,VHR-757G, VHR-757NL,VHR-777EV
R2309	401 038 6406	MT-GLAZE 4.7K JA 1/10W,VHR-797SP ONLY
R2310	401 038 6406	MT-GLAZE 4.7K JA 1/10W,VHR-797SP ONLY
R2313	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2314	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2315	401 020 1907	CARBON 4.7K JA 1/4W,VHR-797SP, VHR-777EX,VHR-777EV
R2316	401 020 1907	CARBON 4.7K JA 1/4W,VHR-797SP, VHR-777EX,VHR-777EV
R2322	401 023 2703	CARBON 8.2K JA 1/4W
R2323	401 038 2200	MT-GLAZE 27K JA 1/10W
R2324	401 038 2200	MT-GLAZE 27K JA 1/10W
R2325	401 014 4006	CARBON 1.5K JA 1/4W
R2327	401 016 3700	CARBON 2.2K JA 1/4W
R2329	401 038 1005	MT-GLAZE 2.2M JA 1/10W
R2331	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R2332	401 038 5102	MT-GLAZE 3.9K JA 1/10W
R2333	401 038 2200	MT-GLAZE 27K JA 1/10W,VHR-797SP, VHR-777EX,VHR-757EX
R2334	401 038 3702	MT-GLAZE 33K JA 1/10W,VHR-797SP, VHR-777EX,VHR-757EX
R2335	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R2336	401 014 4006	CARBON 1.5K JA 1/4W
R2337	401 014 4006	CARBON 1.5K JA 1/4W
R2340	401 018 2701	CARBON 330 JA 1/4W
R2341	401 021 2903	CARBON 5.6K JA 1/4W
R2342	401 021 2903	CARBON 5.6K JA 1/4W
R2343	401 012 4404	CARBON 100 JA 1/4W
R2344	401 012 6903	CARBON 10K JA 1/4W
R2345	401 012 6903	CARBON 10K JA 1/4W
R2347	401 020 1907	CARBON 4.7K JA 1/4W
R2351	401 018 1506	CARBON 33 JA 1/4W,VHR-797SP ONLY
R2352	401 038 6208	MT-GLAZE 47 JA 1/10W,VHR-797SP ONLY
R2353	401 037 8005	MT-GLAZE 15K JA 1/10W,VHR-797SP ONLY
R2354	401 037 5103	MT-GLAZE 10 JA 1/10W,VHR-797SP ONLY
R2355	401 038 0800	MT-GLAZE 22K JA 1/10W,VHR-797SP ONLY
R2356	401 038 3702	MT-GLAZE 33K JA 1/10W,VHR-797SP ONLY
R2361	401 012 5609	CARBON 1K JA 1/4W,VHR-797SP, VHR-777EX,VHR-777EV
R2362	401 012 5609	CARBON 1K JA 1/4W,VHR-797SP, VHR-777EX,VHR-777EV
R2363	401 038 9001	MT-GLAZE 680 JA 1/10W
R2364	401 038 9001	MT-GLAZE 680 JA 1/10W
R2365	401 037 5400	MT-GLAZE 1K JA 1/10W
R2366	401 037 5400	MT-GLAZE 1K JA 1/10W
R2367	401 038 9001	MT-GLAZE 680 JA 1/10W,VHR-797SP ONLY
R2368	401 038 9001	MT-GLAZE 680 JA 1/10W,VHR-797SP ONLY
R2369	401 037 5400	MT-GLAZE 1K JA 1/10W,VHR-797SP, VHR-777EX,VHR-777EV
R2370	401 037 5400	MT-GLAZE 1K JA 1/10W,VHR-797SP, VHR-777EX,VHR-777EV
R2371	401 013 6308	CARBON 12K JA 1/4W,VHR-797SP ONLY
R2372	401 023 2703	CARBON 8.2K JA 1/4W,VHR-797SP ONLY
R2376	401 037 5400	MT-GLAZE 1K JA 1/10W,VHR-797SP ONLY
R2377	401 037 5400	MT-GLAZE 1K JA 1/10W,VHR-797SP ONLY
R2378	401 037 5400	MT-GLAZE 1K JA 1/10W,VHR-797SP ONLY
R2379	401 038 5102	MT-GLAZE 3.9K JA 1/10W
R2380	401 038 9209	MT-GLAZE 6.8K JA 1/10W
R2381	401 037 5400	MT-GLAZE 1K JA 1/10W
R2391	401 038 9506	MT-GLAZE 75 JA 1/10W,VHR-797SP ONLY
R2392	401 038 9506	MT-GLAZE 75 JA 1/10W,VHR-797SP, VHR-777EX,VHR-777EV
R2393	401 038 6406	MT-GLAZE 4.7K JA 1/10W,VHR-797SP ONLY
R2394	401 038 0701	MT-GLAZE 2.2K JA 1/10W,VHR-797SP ONLY
R2396	401 038 9506	MT-GLAZE 75 JA 1/10W,EXCEPT VHR-797SP
R3001 ⚠	402 067 7402	FUSIBLE RES 3.3 JA 1/2W
R3004	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R3008	401 020 1907	CARBON 4.7K JA 1/4W
R3009	401 023 1607	CARBON 820 JA 1/4W
R3011	401 020 2805	CARBON 47K JA 1/4W
R3013	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R3014	401 014 9001	CARBON 16K JA 1/4W
R3015	401 014 9001	CARBON 16K JA 1/4W
R3018	401 038 9209	MT-GLAZE 6.8K JA 1/10W
R3019	401 037 9309	MT-GLAZE 18K JA 1/10W
R3023	401 037 5400	MT-GLAZE 1K JA 1/10W
R3024	401 037 5400	MT-GLAZE 1K JA 1/10W
R3025	401 037 5400	MT-GLAZE 1K JA 1/10W
R3026	401 037 5400	MT-GLAZE 1K JA 1/10W
R3032	401 018 4804	CARBON 33K JA 1/4W
R3036	401 016 3700	CARBON 2.2K JA 1/4W
R3037	401 038 5300	MT-GLAZE 39K JA 1/10W
R3047	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R3048	401 037 6704	MT-GLAZE 1.2K JA 1/10W
R3049	401 038 2101	MT-GLAZE 2.7K JA 1/10W
R3050	401 016 4707	CARBON 22K JA 1/4W
R3051	401 016 4707	CARBON 22K JA 1/4W
R3057	401 016 3700	CARBON 2.2K JA 1/4W,EXCEPT VHR-797SP
R3058	401 016 3700	CARBON 2.2K JA 1/4W,EXCEPT VHR-797SP
R3059	401 012 6903	CARBON 10K JA 1/4W
R3101	401 012 6903	CARBON 10K JA 1/4W

LOCATION	PARTS NO.	DESCRIPTION
R3102	401 012 6903	CARBON 10K JA 1/4W
R3103	401 012 6903	CARBON 10K JA 1/4W
R3104	401 012 6903	CARBON 10K JA 1/4W
R3301	401 038 5003	MT-GLAZE 390 JA 1/10W
R3302	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R3305	401 038 3603	MT-GLAZE 3.3K JA 1/10W,VHR-797SP, VHR-777EX,VHR-757EX
R3306	401 039 0403	MT-GLAZE 8.2K JA 1/10W,VHR-777EX, VHR-757EX
OR	401 038 6406	MT-GLAZE 4.7K JA 1/10W,VHR-797SP ONLY
R3309 ⚠	402 078 2908	FUSIBLE RES 680 GA 1/4W
R3501	401 012 8006	CARBON 100K JA 1/4W
R3502	401 037 5707	MT-GLAZE 100K JA 1/10W
R3503	401 038 3801	MT-GLAZE 330K JA 1/10W
R3504	401 014 6000	CARBON 150K JA 1/4W
R3505	401 014 5102	CARBON 15K JA 1/4W
R3506	401 038 0909	MT-GLAZE 220K JA 1/10W
R3507	401 014 6000	CARBON 150K JA 1/4W
R3508	401 017 2702	CARBON 27K JA 1/4W
R3516	401 039 1004	MT-GLAZE 9.1K JA 1/10W
R3517	401 038 6505	MT-GLAZE 47K JA 1/10W
R3518	401 020 2805	CARBON 47K JA 1/4W
R3520	401 038 5409	MT-GLAZE 390K JA 1/10W
R3521	401 037 5608	MT-GLAZE 10K JA 1/10W
R3525	401 012 5609	CARBON 1K JA 1/4W
R3526	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R3527	401 037 5400	MT-GLAZE 1K JA 1/10W
R3528	401 020 7800	CARBON 510 JA 1/4W
R3529	401 020 7800	CARBON 510 JA 1/4W
R3537	401 039 0403	MT-GLAZE 8.2K JA 1/10W
R3546	401 020 1907	CARBON 4.7K JA 1/4W
R3547	401 037 8005	MT-GLAZE 15K JA 1/10W
R3549	401 037 5608	MT-GLAZE 10K JA 1/10W
R3550	401 039 0403	MT-GLAZE 8.2K JA 1/10W
R3551	401 037 5608	MT-GLAZE 10K JA 1/10W
R3552	401 037 5707	MT-GLAZE 100K JA 1/10W
R3553	401 016 5704	CARBON 220K JA 1/4W
R3555	401 037 5707	MT-GLAZE 100K JA 1/10W
R3556	401 037 5608	MT-GLAZE 10K JA 1/10W
R3557	401 038 3801	MT-GLAZE 330K JA 1/10W
R3558	401 038 6307	MT-GLAZE 470 JA 1/10W
R3560	401 037 5400	MT-GLAZE 1K JA 1/10W
R5001	402 013 9108	SOLID 2.7M KB 1/2W
R5002	401 037 9101	MT-GLAZE 180 JA 1/10W
R5003	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R5004	401 038 3801	MT-GLAZE 330K JA 1/10W
R5005	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R5006	401 037 5608	MT-GLAZE 10K JA 1/10W
R5007	401 038 0800	MT-GLAZE 22K JA 1/10W
R5009	401 038 9308	MT-GLAZE 68K JA 1/10W
R5010	401 019 3905	CARBON 390K JA 1/4W
R5011	401 019 3905	CARBON 390K JA 1/4W
R5020	401 069 4402	OXIDE-MT 68K JA 2W
R5021	401 069 4402	OXIDE-MT 68K JA 2W
R5101	401 018 2701	CARBON 330 JA 1/4W
R5102	401 038 5003	MT-GLAZE 390 JA 1/10W
R5103	401 021 1807	CARBON 560 JA 1/4W
R5104	401 018 3708	CARBON 3.3K JA 1/4W
R5105	401 016 2505	CARBON 220 JA 1/4W
R5106	401 020 0702	CARBON 470 JA 1/4W
R5108	401 037 9200	MT-GLAZE 1.8K JA 1/10W
R5109	401 018 3708	CARBON 3.3K JA 1/4W
R5110 ⚠	402 071 3100	FUSIBLE RES 27 JA 1/4W
R5111	401 020 7800	CARBON 510 JA 1/4W
R5112	401 038 5102	MT-GLAZE 3.9K JA 1/10W
R5114	401 038 6208	MT-GLAZE 47 JA 1/10W
R5120 ⚠	402 004 2705	FUSIBLE RES 8.2 JA 1/4W
R5121	401 015 7709	CARBON 2.7 JA 1/4W
R5123	401 015 2605	CARBON 1.8K JA 1/4W
R5132	401 018 3708	CARBON 3.3K JA 1/4W
R5133	401 023 2703	CARBON 8.2K JA 1/4W
R5134	401 018 3708	CARBON 3.3K JA 1/4W
R5135	401 037 6605	MT-GLAZE 120 JA 1/10W
	(JUMPERS)	
	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
	(FUSES)	
F5001 ⚠	423 021 8402	FUSE 250V 2.5A
OR ⚠	423 025 9900	FUSE 250V 2.5A
	(PROTECTORS)	
PR511 ⚠	645 005 9858	PROTECTOR,IC 0.8A 50V
PR512 ⚠	645 014 2529	PROTECTOR,1.25A 125V
	(JACKS)	
JK231	645 012 4068	JACK,RCA (N.S.P),VHR-797SP, VHR-777EX,VHR-777EV
JK232	645 012 4051	JACK,RCA (N.S.P),,VHR-797SP, VHR-777EX,VHR-777EV
	(CONNECTORS)	
CN231	645 021 1515	SOCKET,RGB 21P (N.S.P),VHR-777EX, VHR-777EV
OR	645 021 1508	SOCKET,RGB 21P (N.S.P),VHR-757EX, VHR-757G,VHR-757NL
OR	645 021 1522	SOCKET,RGB 21P (N.S.P),VHR-797SP ONLY
CN301	645 009 4408	SOCKET,FFC 35P (N.S.P),VHR-797SP ONLY
OR	645 009 4361	SOCKET,FFC 31P (N.S.P),EXCEPT VHR-797SP
OR	645 005 4808	SOCKET,35P (N.S.P),VHR-797SP ONLY
OR	645 005 4761	SOCKET,31P (N.S.P),EXCEPT VHR-797SP
CN303	645 007 8422	PLUG,12P (N.S.P)
CN351	645 007 8927	PLUG,6P (N.S.P)
CN352	645 008 1842	PLUG,8P (N.S.P)
CN501 ⚠	645 000 5411	SOCKET,INLET AC (N.S.P)
	(MISCELLANEOUS)	
	613 053 8048	FIXER
	645 008 7677	HOLDER,FUSE
OR	645 008 7660	HOLDER,FUSE
OR	645 016 0479	HOLDER,FUSE

COMPL PWB,VP-1

613 172 9162

	(INTEGRATED CIRCUITS)	
IC181	409 391 5401	IC LA70012L
IC291	409 326 0808	IC LA7256
	(INDUCTORS)	
L2901	645 003 7627	INDUCTOR,10U J
OR	645 003 6910	INDUCTOR,10U J
	(CAPACITORS)	
C1802	403 073 9107	CERAMIC 4700P K 50V
C1805	403 068 0409	CERAMIC 0.1U Z 25V
C1806	403 069 5601	CERAMIC 0.01U K 50V
C1807	403 163 7907	ELECT 47U M 6.3V
C1808	403 068 0409	CERAMIC 0.1U Z 25V
C1809	403 191 8709	ELECT 1U M 50V
C1810	403 069 5601	CERAMIC 0.01U K 50V
C1811	403 069 5601	CERAMIC 0.01U K 50V
C1812	403 018 0602	CERAMIC 22P J 50V
C1813	403 018 0602	CERAMIC 22P J 50V
C1814	403 018 0602	CERAMIC 22P J 50V
C1815	403 018 0602	CERAMIC 22P J 50V
C1835	403 069 5601	CERAMIC 0.01U K 50V
C1836	403 072 1607	CERAMIC 0.022U K 50V
C2901	403 193 7601	ELECT 220U M 6.3V
C2902	403 068 0409	CERAMIC 0.1U Z 25V
C2903	403 068 0409	CERAMIC 0.1U Z 25V
C2904	403 068 0409	CERAMIC 0.1U Z 25V
C2905	403 068 0409	CERAMIC 0.1U Z 25V
C2906	403 068 0409	CERAMIC 0.1U Z 25V
C2907	403 068 0409	CERAMIC 0.1U Z 25V
C2908	403 068 0409	CERAMIC 0.1U Z 25V
C2910	403 068 0409	CERAMIC 0.1U Z 25V
C2911	403 068 0409	CERAMIC 0.1U Z 25V
	(RESISTORS)	
R1801	401 038 5102	MT-GLAZE 3.9K JA 1/10W
R1802	401 038 0701	MT-GLAZE 2.2K JA 1/10W
R1804	401 038 9001	MT-GLAZE 680 JA 1/10W
R1805	401 038 9001	MT-GLAZE 680 JA 1/10W
R1806	401 038 6406	MT-GLAZE 4.7K JA 1/10W
R1807	401 037 5400	MT-GLAZE 1K JA 1/10W
R1808	401 037 5400	MT-GLAZE 1K JA 1/10W
R1831	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R1833	401 037 5004	MT-GLAZE 0.000 ZA 1/10W
R2901	401 037 7909	MT-GLAZE 1.5K JA 1/10W
R2902	401 038 0206	MT-GLAZE 20K JA 1/10W
R2903	401 037 5400	MT-GLAZE 1K JA 1/10W
R2904	401 037 5400	MT-GLAZE 1K JA 1/10W
	(JUMPERS)	
	401 037 5004	MT-GLAZE 0.000 ZA 1/10W

LOCATION	PARTS NO.	DESCRIPTION
	(CONNECTORS)	
CN182	645 005 4204	SOCKET,12P (N.S.P)
OR	645 009 4163	SOCKET,FFC 12P (N.S.P)

COMPL PWB,TM-1

	613 173 2865	VHR-797SP ONLY
OR	613 174 0884	VHR-777EX,VHR-777EV
OR	613 173 9192	VHR-757EX,VHR-757G,VHR-757NL
	(SEMICONDUCTORS)	
Q7101	405 000 3103	TR DTC114ES,VHR-797SP ONLY
Q7102	405 000 3103	TR DTC114ES,VHR-797SP ONLY
Q7103	405 000 3103	TR DTC114ES,VHR-797SP ONLY
Q7104	405 000 3103	TR DTC114ES,VHR-797SP ONLY
	(DIODES)	
D7101	407 012 4406	DIODE 1SS133
D7102	407 012 4406	DIODE 1SS133
D7103	407 012 4406	DIODE 1SS133
D7104	407 012 4406	DIODE 1SS133
D7108	407 168 5302	LED SEL1410G, PLAY-LED,VHR-797SP ONLY
OR	407 168 5203	LED SEL1410G, PLAY-LED,VHR-797SP ONLY
OR	407 197 2808	LED L-53GD-TNB5/6-R, PLAY-LED, VHR-797SP ONLY
D7109	407 168 5302	LED SEL1410G, FF-LED,VHR-797SP ONLY
OR	407 168 5203	LED SEL1410G, FF-LED,VHR-797SP ONLY
OR	407 197 2808	LED L-53GD-TNB5/6-R, FF-LED, VHR-797SP ONLY
D7110	407 168 5302	LED SEL1410G, REW-LED,VHR-797SP ONLY
OR	407 168 5203	LED SEL1410G, REW-LED,VHR-797SP ONLY
OR	407 197 2808	LED L-53GD-TNB5/6-R, REW-LED, VHR-797SP ONLY
D7111	407 154 9406	LED SEL2413E-D, DMSS-LED,VHR-797SP ONLY
OR	407 198 0704	LED L-474GT-TNB5/6-P, DMSS-LED, VHR-797SP ONLY
	(CAPACITORS)	
C7101	403 043 8802	ELECT 4.7U M 16V,VHR-757EX, VHR-757G,VHR-757NL
OR	403 167 7002	ELECT 4.7U M 50V,VHR-797SP, VHR-777EX,VHR-777EV
	(RESISTORS)	
R7101	401 015 8805	CARBON 200 JA 1/4W,VHR-797SP ONLY
R7102	401 015 8805	CARBON 200 JA 1/4W,VHR-797SP ONLY
R7103	401 015 8805	CARBON 200 JA 1/4W,VHR-797SP ONLY
R7105	401 016 2505	CARBON 220 JA 1/4W,VHR-797SP ONLY
	(SWITCHES)	
S7101	645 001 9777	SWITCH,PUSH 1P-1T, POWER
OR	645 006 2797	SWITCH,PUSH 1P-1T, POWER
OR	645 008 8049	SWITCH,PUSH 1P-1T, POWER
OR	645 011 5172	SWITCH,PUSH 1P-1T, POWER,VHR-757EX, VHR-757G,VHR-757NL
OR	645 011 5165	SWITCH,PUSH 1P-1T, POWER,VHR-757EX, VHR-757G,VHR-757NL
S7102	645 006 2797	SWITCH,PUSH 1P-1T, STOP/EJECT, VHR-757EX,VHR-757G,VHR-757NL
OR	645 008 8049	SWITCH,PUSH 1P-1T, STOP/EJECT, VHR-757EX,VHR-757G,VHR-757NL
OR	645 001 9777	SWITCH,PUSH 1P-1T, STOP/EJECT, VHR-757EX,VHR-757G,VHR-757NL
OR	645 011 5172	SWITCH,PUSH 1P-1T, STOP/EJECT, VHR-757EX,VHR-757G,VHR-757NL
OR	645 011 5165	SWITCH,PUSH 1P-1T, STOP/EJECT, VHR-757EX,VHR-757G,VHR-757NL
S7103	645 008 8049	SWITCH,PUSH 1P-1T, CH-UP
OR	645 001 9777	SWITCH,PUSH 1P-1T, CH-UP
OR	645 006 2797	SWITCH,PUSH 1P-1T, CH-UP
OR	645 011 5172	SWITCH,PUSH 1P-1T, CH-UP,VHR-757EX, VHR-757G,VHR-757NL
OR	645 011 5165	SWITCH,PUSH 1P-1T, CH-UP,VHR-757EX, VHR-757G,VHR-757NL
S7104	645 008 8049	SWITCH,PUSH 1P-1T, CH-DOWN
OR	645 001 9777	SWITCH,PUSH 1P-1T, CH-DOWN
OR	645 011 5172	SWITCH,PUSH 1P-1T, CH-DOWN
OR	645 011 5165	SWITCH,PUSH 1P-1T, CH-DOWN
OR	645 006 2797	SWITCH,PUSH 1P-1T, CH-DOWN
S7105	645 008 8049	SWITCH,PUSH 1P-1T, REC,VHR-797SP, VHR-777EX,VHR-777EV
OR	645 001 9777	SWITCH,PUSH 1P-1T, REC,VHR-797SP, VHR-777EX,VHR-777EV
S7105	645 006 2797	SWITCH,PUSH 1P-1T, REC,VHR-797SP, VHR-777EX,VHR-777EV
OR	645 011 5172	SWITCH,PUSH 1P-1T, REC,VHR-797SP, VHR-777EX,VHR-777EV
OR	645 011 5165	SWITCH,PUSH 1P-1T, REC,VHR-797SP, VHR-777EX,VHR-777EV
S7106	645 006 2797	SWITCH,PUSH 1P-1T, PAUSE,VHR-757EX, VHR-757G,VHR-757NL
OR	645 008 8049	SWITCH,PUSH 1P-1T, PAUSE,VHR-757EX, VHR-757G,VHR-757NL
OR	645 001 9777	SWITCH,PUSH 1P-1T, PAUSE,VHR-757EX, VHR-757G,VHR-757NL
OR	645 011 5172	SWITCH,PUSH 1P-1T, PAUSE,VHR-757EX, VHR-757G,VHR-757NL
OR	645 011 5165	SWITCH,PUSH 1P-1T, PAUSE,VHR-757EX, VHR-757G,VHR-757NL
OR	645 008 8049	SWITCH,PUSH 1P-1T, DMSS,VHR-797SP, VHR-777EX,VHR-777EV
OR	645 001 9777	SWITCH,PUSH 1P-1T, DMSS,VHR-797SP, VHR-777EX,VHR-777EV
OR	645 006 2797	SWITCH,PUSH 1P-1T, DMSS,VHR-797SP, VHR-777EX,VHR-777EV
S7107	645 006 2797	SWITCH,PUSH 1P-1T, REW,VHR-757EX, VHR-757G,VHR-757NL
OR	645 008 8049	SWITCH,PUSH 1P-1T, REW,VHR-757EX, VHR-757G,VHR-757NL
OR	645 001 9777	SWITCH,PUSH 1P-1T, REW,VHR-757EX, VHR-757G,VHR-757NL
OR	645 011 5172	SWITCH,PUSH 1P-1T, REW,VHR-757EX, VHR-757G,VHR-757NL
OR	645 011 5165	SWITCH,PUSH 1P-1T, REW,VHR-757EX, VHR-757G,VHR-757NL
S7108	645 001 9777	SWITCH,PUSH 1P-1T, FF,VHR-797SP, VHR-777EX,VHR-777EV
OR	645 006 2797	SWITCH,PUSH 1P-1T, FF,VHR-797SP, VHR-777EX,VHR-777EV
OR	645 008 8049	SWITCH,PUSH 1P-1T, FF,VHR-797SP, VHR-777EX,VHR-777EV
OR	645 001 9777	SWITCH,PUSH 1P-1T, PLAY,VHR-757EX, VHR-757G,VHR-757NL
OR	645 011 5172	SWITCH,PUSH 1P-1T, PLAY,VHR-757EX, VHR-757G,VHR-757NL
OR	645 011 5165	SWITCH,PUSH 1P-1T, PLAY,VHR-757EX, VHR-757G,VHR-757NL
OR	645 006 2797	SWITCH,PUSH 1P-1T, PLAY,VHR-757EX, VHR-757G,VHR-757NL
OR	645 008 8049	SWITCH,PUSH 1P-1T, PLAY,VHR-757EX, VHR-757G,VHR-757NL
S7109	645 001 9777	SWITCH,PUSH 1P-1T, REW,VHR-797SP, VHR-777EX,VHR-777EV
OR	645 006 2797	SWITCH,PUSH 1P-1T, REW,VHR-797SP, VHR-777EX,VHR-777EV
OR	645 008 8049	SWITCH,PUSH 1P-1T, REW,VHR-797SP, VHR-777EX,VHR-777EV
OR	645 001 9777	SWITCH,PUSH 1P-1T, FF,VHR-757EX ,VHR-757G,VHR-757NL
OR	645 011 5172	SWITCH,PUSH 1P-1T, FF,VHR-757EX, VHR-757G,VHR-757NL
OR	645 011 5165	SWITCH,PUSH 1P-1T, FF,VHR-757EX, VHR-757G,VHR-757NL
OR	645 008 8049	SWITCH,PUSH 1P-1T, FF,VHR-757EX, VHR-757G,VHR-757NL
OR	645 006 2797	SWITCH,PUSH 1P-1T, FF,VHR-757EX, VHR-757G,VHR-757NL
S7110	645 001 9777	SWITCH,PUSH 1P-1T, STOP/EJECT, VHR-797SP,VHR-777EX,VHR-777EV
OR	645 006 2797	SWITCH,PUSH 1P-1T, STOP/EJECT, VHR-797SP,VHR-777EX,VHR-777EV
OR	645 008 8049	SWITCH,PUSH 1P-1T, STOP/EJECT, VHR-797SP,VHR-777EX,VHR-777EV
OR	645 006 2797	SWITCH,PUSH 1P-1T, REC,VHR-757EX, VHR-757G,VHR-757NL
OR	645 008 8049	SWITCH,PUSH 1P-1T, REC,VHR-757EX, VHR-757G,VHR-757NL
OR	645 001 9777	SWITCH,PUSH 1P-1T, REC,VHR-757EX, VHR-757G,VHR-757NL
OR	645 011 5172	SWITCH,PUSH 1P-1T, REC,VHR-757EX, VHR-757G,VHR-757NL

LOCATION	PARTS NO.	DESCRIPTION
S7110	645 011 5165	SWITCH,PUSH 1P-1T, REC,VHR-757EX, VHR-757G,VHR-757NL
S7111	645 006 2797	SWITCH,PUSH 1P-1T, PLAY,VHR-797SP, VHR-777EX,VHR-777EV
OR	645 008 8049	SWITCH,PUSH 1P-1T, PLAY,VHR-797SP, VHR-777EX,VHR-777EV
OR	645 001 9777	SWITCH,PUSH 1P-1T, PLAY,VHR-797SP, VHR-777EX,VHR-777EV
	(REMOTE RECEIVERS)	
RR711	645 006 8720	UNIT,IR RECEIVER PACK
OR	645 021 6152	UNIT,IR RECEIVER PACK
	(DISPLAYS)	
A7101	645 020 9437	FLUORESCENT TUBE
OR	645 004 0597	FLUORESCENT TUBE
	(CONNECTORS)	
CN711	645 005 4761	SOCKET,31P (N.S.P),VHR-757EX, VHR-757G,VHR-757NL
OR	645 009 4361	SOCKET,FFC 31P (N.S.P),VHR-757EX, VHR-757G,VHR-757NL
CN714	645 005 4808	SOCKET,35P (N.S.P),VHR-797SP ONLY
OR	645 005 4761	SOCKET,31P (N.S.P),VHR-777EX,VHR-777EV
OR	645 009 4408	SOCKET,FFC 35P (N.S.P),VHR-797SP ONLY
OR	645 009 4361	SOCKET,FFC 31P (N.S.P),VHR-777EX, VHR-777EV
	(MISCELLANEOUS)	
	613 173 7488	HOLDER,IR
OR	613 163 1700	HOLDER IR, RR711
	613 139 2267	HOLDER FL
	613 171 5639	HOLDER LED 2P, DMSS,VHR-797SP ONLY

COMPL PCB,TM-8

	613 134 4730	VHR-757G ONLY
	(INTEGRATED CIRCUITS)	
IC781	409 148 5104	IC SDA5642,VHR-757G ONLY
OR	409 338 8809	IC SDA5642-5,VHR-757G ONLY
	(CAPACITORS)	
C7802	403 013 3103	CERAMIC 150P J 50V,VHR-757G ONLY
C7803	403 256 4608	MT-COMPO 0.33U J 50V,VHR-757G ONLY
C7804	403 057 2407	POLYESTER 0.1U J 50V,VHR-757G ONLY
	(RESISTORS)	
R7805	401 038 0701	MT-GLAZE 2.2K JA 1/10W,VHR-757G ONLY
R7806	401 037 5806	MT-GLAZE 1M JA 1/10W,VHR-757G ONLY
R7807	401 039 0601	MT-GLAZE 820K JA 1/10W,VHR-757G ONLY
R7808	401 037 5707	MT-GLAZE 100K JA 1/10W,VHR-757G ONLY
R7809	401 037 5608	MT-GLAZE 10K JA 1/10W,VHR-757G ONLY
R7810	401 037 7008	MT-GLAZE 1.2M JA 1/10W,VHR-757G ONLY
R7811	401 037 5202	MT-GLAZE 100 JA 1/10W,VHR-757G ONLY
R7812	401 038 7700	MT-GLAZE 5.6K JA 1/10W,VHR-757G ONLY
	(CONNECTORS)	
CN781	645 003 0840	PLUG,5P (N.S.P),VHR-757G ONLY
OR	613 113 3853	CONNECTOR,5P (N.S.P),VHR-757G ONLY

COMPL PCB,TM-9

	613 158 5751	EXCEPT VHR-757G
	(INTEGRATED CIRCUITS)	
IC771	409 340 9600	IC SDA5649,EXCEPT VHR-757G
	(CAPACITORS)	
C7701	403 060 7505	POLYESTER 0.033U J 50V,EXCEPT VHR-757G
C7702	403 071 8102	CERAMIC 2200P K 50V,EXCEPT VHR-757G
C7703	403 256 4608	MT-COMPO 0.33U J 50V,EXCEPT VHR-757G
C7704	403 013 3004	CERAMIC 150P J 50V,EXCEPT VHR-757G
C7705	403 068 0409	CERAMIC 0.1U Z 25V,EXCEPT VHR-757G
C7706	403 129 0409	CERAMIC 0.01U K 16V,EXCEPT VHR-757G
	(RESISTORS)	
R7701	401 038 9209	MT-GLAZE 6.8K JA 1/10W,EXCEPT VHR-757G
R7702	401 037 7008	MT-GLAZE 1.2M JA 1/10W,EXCEPT VHR-757G
R7703	401 038 9209	MT-GLAZE 6.8K JA 1/10W,EXCEPT VHR-757G
R7704	401 037 7008	MT-GLAZE 1.2M JA 1/10W,EXCEPT VHR-757G
R7705	401 037 5806	MT-GLAZE 1M JA 1/10W,EXCEPT VHR-757G
R7706	401 038 0701	MT-GLAZE 2.2K JA 1/10W,EXCEPT VHR-757G
R7707	401 037 5707	MT-GLAZE 100K JA 1/10W,EXCEPT VHR-757G
R7708	401 037 5608	MT-GLAZE 10K JA 1/10W,EXCEPT VHR-757G
	(CONNECTORS)	
CN771	613 113 3853	CONNECTOR,5P (N.S.P),EXCEPT VHR-757G
OR	645 003 0840	PLUG,5P (N.S.P),EXCEPT VHR-757G

LOCATION	PARTS NO.	DESCRIPTION

COMPL PWB,TB-2

	613 173 0465	VHR-797SP ONLY
	(CAPACITORS)	
C7201	403 071 5408	CERAMIC 220P J 50V,VHR-797SP ONLY
C7202	403 071 5408	CERAMIC 220P J 50V,VHR-797SP ONLY
	(RESISTORS)	
R7201	401 022 6702	CARBON 75 JA 1/4W,VHR-797SP ONLY
R7202	401 012 5609	CARBON 1K JA 1/4W,VHR-797SP ONLY
R7203	401 012 5609	CARBON 1K JA 1/4W,VHR-797SP ONLY
	(JACKS)	
JK721	645 007 6527	TERMINAL,BOARD, VD/AD.IN (N.S.P.), VHR-797SP ONLY
OR	645 018 6349	JACK,RCA-3 (N.S.P), VD/AD.IN, VHR-797SP ONLY
	(CONNECTOR)	
CN722	645 003 1762	SOCKET,RIBBON 5P (N.S.P),VHR-797SP ONLY

COMPL PWB,TN-3

	613 173 4470	VHR-757G,VHR-757NL,VHR-777EV
	(SEMICONDUCTORS)	
Q6301	405 099 8508	TR 2SC4640S,VHR-757G,VHR-757NL, VHR-777EV
OR	405 011 8401	TR 2SC1740S-Q,VHR-757G,VHR-757NL, VHR-777EV
OR	405 093 0607	TR KSC2785-Y,VHR-757G,VHR-757NL, VHR-777EV
OR	405 099 8607	TR 2SC4640T,VHR-757G,VHR-757NL, VHR-777EV
OR	405 011 8500	TR 2SC1740S-R,VHR-757G,VHR-757NL, VHR-777EV
	(INTEGRATED CIRCUITS)	
IC631	409 370 6504	IC TDA9840,VHR-757G,VHR-757NL,VHR-777EV
IC632	409 002 5905	IC BA403,VHR-757G,VHR-757NL,VHR-777EV
	(CRYSTAL DEVICE)	
X6301	645 002 0711	OSC,CRYSTAL 10MHZ,VHR-757G, VHR-757NL,VHR-777EV
	(CERAMIC RESONATORS)	
XF631	645 020 7914	DISCR,CERAMIC 5.74MHZ,VHR-757G, VHR-757NL,VHR-777EV
XF632	645 006 3022	CERAMIC FILTER 5.742MHZ,VHR-757G, VHR-757NL,VHR-777EV
	(VARIABLE RESISTORS)	
VR631	645 001 9487	VR,SEMI 22K N,VHR-757G,VHR-757NL, **VHR-777EV**
OR	645 003 5692	VR,SEMI,22K N,VHR-757G,VHR-757NL, VHR-777EV
	(INDUCTORS)	
L6301	645 002 1428	INDUCTOR 15U J,VHR-757G,VHR-757NL, VHR-777EV
OR	645 003 7955	INDUCTOR,15U J,VHR-757G,VHR-757NL, VHR-777EV
L6302	645 003 6910	INDUCTOR,10U J,VHR-757G,VHR-757NL, VHR-777EV
OR	645 003 7627	INDUCTOR,10U J,VHR-757G,VHR-757NL, VHR-777EV
L6303	645 003 6910	INDUCTOR,10U J,VHR-757G,VHR-757NL, VHR-777EV
OR	645 003 7627	INDUCTOR,10U J,VHR-757G,VHR-757NL, VHR-777EV
	(TRANSFORMER)	
T6301	645 020 7921	TRANS,IF 54.7MHZ,VHR-757G,VHR-757NL, VHR-777EV
	(CAPACITORS)	
C6301	403 009 1809	CERAMIC 10P J 50V,VHR-757G, VHR-757NL,VHR-777EV
C6302	403 024 1501	CERAMIC 39P J 50V,VHR-757G, VHR-757NL,VHR-777EV
C6303	403 001 1906	CERAMIC 0.01U M 16V,VHR-757G, VHR-757NL,VHR-777EV
C6304	403 001 1906	CERAMIC 0.01U M 16V,VHR-757G, VHR-757NL,VHR-777EV
C6305	403 107 9905	ELECT 10U M 16V,VHR-757G, VHR-757NL,VHR-777EV
C6306	403 001 1906	CERAMIC 0.01U M 16V,VHR-757G, VHR-757NL,VHR-777EV

LOCATION	PARTS NO.	DESCRIPTION
C6307	403 125 5606	ELECT 100U M 16V,VHR-757G, VHR-757NL,VHR-777EV
C6308	403 134 8100	ELECT 100U M 6.3V,VHR-757G, VHR-757NL,VHR-777EV
C6309	403 001 1906	CERAMIC 0.01U M 16V,VHR-757G, VHR-757NL,VHR-777EV
C6310	403 001 1906	CERAMIC 0.01U M 16V,VHR-757G, VHR-757NL,VHR-777EV
C6311	403 001 1906	CERAMIC 0.01U M 16V,VHR-757G, VHR-757NL,VHR-777EV
C6312	403 121 3507	ELECT 4.7U M 50V,VHR-757G, VHR-757NL,VHR-777EV
C6313	403 121 3507	ELECT 4.7U M 50V,VHR-757G, VHR-757NL,VHR-777EV
C6314	403 107 9905	ELECT 10U M 16V,VHR-757G, VHR-757NL,VHR-777EV
C6315	403 001 1906	CERAMIC 0.01U M 16V,VHR-757G, VHR-757NL,VHR-777EV
C6316	403 121 9509	CERAMIC 0.1U Z 50V,VHR-757G, VHR-757NL,VHR-777EV
C6317	403 026 2209	CERAMIC 47P J 50V,VHR-757G, VHR-757NL,VHR-777EV
C6318	403 134 8100	ELECT 100U M 6.3V,VHR-757G, VHR-757NL,VHR-777EV
C6319	403 107 9905	ELECT 10U M 16V,VHR-757G, VHR-757NL,VHR-777EV
C6320	403 107 9905	ELECT 10U M 16V,VHR-757G, VHR-757NL,VHR-777EV
C6321	403 001 5102	CERAMIC 2200P M 16V,VHR-757G, VHR-757NL,VHR-777EV
	(RESISTORS)	
R6301	401 014 4006	CARBON 1.5K JA 1/4W,VHR-757G, VHR-757NL,VHR-777EV
R6303	401 018 2701	CARBON 330 JA 1/4W,VHR-757G, VHR-757NL,VHR-777EV
R6304	401 021 1807	CARBON 560 JA 1/4W,VHR-757G, VHR-757NL,VHR-777EV
R6305	401 012 5609	CARBON 1K JA 1/4W,VHR-757G, VHR-757NL,VHR-777EV
R6306	401 012 5609	CARBON 1K JA 1/4W,VHR-757G, VHR-757NL,VHR-777EV
R6307	401 013 6308	CARBON 12K JA 1/4W,VHR-757G, VHR-757NL,VHR-777EV
R6308	401 023 2703	CARBON 8.2K JA 1/4W,VHR-757G, VHR-757NL,VHR-777EV
R6311	401 020 1907	CARBON 4.7K JA 1/4W,VHR-757G, VHR-757NL,VHR-777EV
R6312	401 012 6903	CARBON 10K JA 1/4W,VHR-757G, VHR-757NL,VHR-777EV
R6313	401 017 2702	CARBON 27K JA 1/4W,VHR-757G, VHR-757NL,VHR-777EV
	(CONNECTOR)	
CN631	645 003 0925	PLUG,11P (N.S.P),VHR-757G, VHR-757NL,VHR-777EV

COMPL PWB,TN-5

613 169 3777 VHR-777EX,VHR-757EX

	(SEMICONDUCTORS)	
Q6701	405 015 8407	TR 2SC2812-L5,VHR-777EX,VHR-757EX
OR	405 015 8704	TR 2SC2812-L6,VHR-777EX,VHR-757EX
OR	405 014 4509	TR 2SC2412K-R,VHR-777EX,VHR-757EX
OR	405 014 4608	TR 2SC2412K-S,VHR-777EX,VHR-757EX
Q6741	405 002 6508	TR 2SA1179-M5,VHR-777EX,VHR-757EX
OR	405 002 6706	TR 2SA1179-M6,VHR-777EX,VHR-757EX
OR	405 002 0308	TR 2SA1037K-R,VHR-777EX,VHR-757EX
OR	405 002 0407	TR 2SA1037K-S,VHR-777EX,VHR-757EX
Q6742	405 002 6508	TR 2SA1179-M5,VHR-777EX,VHR-757EX
OR	405 002 6706	TR 2SA1179-M6,VHR-777EX,VHR-757EX
OR	405 002 0308	TR 2SA1037K-R,VHR-777EX,VHR-757EX
OR	405 002 0407	TR 2SA1037K-S,VHR-777EX,VHR-757EX
	(INTEGRATED CIRCUIT)	
IC671	409 374 6302	IC SAA7283(M2),VHR-777EX,VHR-757EX
	(DIODES)	
D6701	407 169 8005	VARACTOR DI BB405B,VHR-777EX,VHR-757EX
D6702	407 007 9904	DIODE GMA01,VHR-777EX,VHR-757EX
OR	407 012 4406	DIODE 1SS133,VHR-777EX,VHR-757EX

LOCATION	PARTS NO.	DESCRIPTION
	(CRYSTAL DEVICE)	
X6701	645 007 7449	OSC,CRYSTAL 8.192MHZ,VHR-777EX, VHR-757EX
	(INDUCTORS)	
L6701	645 003 7023	INDUCTOR,2.2U J,VHR-777EX,VHR-757EX
OR	645 003 7429	INDUCTOR,2.2U J,VHR-777EX,VHR-757EX
L6702	645 003 7023	INDUCTOR,2.2U J,VHR-777EX,VHR-757EX
OR	645 003 7429	INDUCTOR,2.2U J,VHR-777EX,VHR-757EX
L6703	645 002 1411	INDUCTOR 10U J,VHR-777EX,VHR-757EX
OR	645 003 7894	INDUCTOR,10U J,VHR-777EX,VHR-757EX
L6704	645 003 7023	INDUCTOR,2.2U J,VHR-777EX,VHR-757EX
OR	645 003 7429	INDUCTOR,2.2U J,VHR-777EX,VHR-757EX
L6705	645 003 7023	INDUCTOR,2.2U J,VHR-777EX,VHR-757EX
OR	645 003 7429	INDUCTOR,2.2U J,VHR-777EX,VHR-757EX
	(CAPACITORS)	
C6701	403 159 1001	CERAMIC 0.22U Z 16V,VHR-777EX, VHR-757EX
C6702	403 068 0409	CERAMIC 0.1U Z 25V,VHR-777EX,VHR-757EX
C6703	403 135 4002	ELECT 47U M 6.3V,VHR-777EX,VHR-757EX
C6704	403 159 1001	CERAMIC 0.22U Z 16V,VHR-777EX, VHR-757EX
C6705	403 184 9300	MT-POLYEST 0.047U J 50V,VHR-777EX, VHR-757EX
C6706	403 107 9905	ELECT 10U M 16V,VHR-777EX,VHR-757EX
C6707	403 134 9602	ELECT 47U M 16V,VHR-777EX,VHR-757EX
C6708	403 069 5601	CERAMIC 0.01U K 50V,VHR-777EX, VHR-757EX
C6709	403 107 9905	ELECT 10U M 16V,VHR-777EX,VHR-757EX
C6710	403 068 0409	CERAMIC 0.1U Z 25V,VHR-777EX,VHR-757EX
C6711	403 008 7505	CERAMIC 10P D 50V,VHR-777EX,VHR-757EX
C6712	403 024 7206	CERAMIC 390P J 50V,VHR-777EX,VHR-757EX
C6714	403 069 5601	CERAMIC 0.01U K 50V,VHR-777EX, VHR-757EX
C6715	403 107 9905	ELECT 10U M 16V,VHR-777EX,VHR-757EX
C6716	403 018 7502	CERAMIC 220P J 50V,VHR-777EX,VHR-757EX
C6717	403 107 9905	ELECT 10U M 16V,VHR-777EX,VHR-757EX
C6718	403 068 0409	CERAMIC 0.1U Z 25V,VHR-777EX,VHR-757EX
C6719	403 109 6308	ELECT 1U M 50V,VHR-777EX,VHR-757EX
C6720	403 068 0409	CERAMIC 0.1U Z 25V,VHR-777EX,VHR-757EX
C6721	403 069 5601	CERAMIC 0.01U K 50V,VHR-777EX, VHR-757EX
C6722	403 107 9905	ELECT 10U M 16V,VHR-777EX,VHR-757EX
C6723	403 168 6202	MT-POLYEST 0.33U J 50V,VHR-777EX, VHR-757EX
C6724	403 072 1607	CERAMIC 0.022U K 50V,VHR-777EX, VHR-757EX
C6725	403 026 2803	CERAMIC 47P J 50V,VHR-777EX,VHR-757EX
C6726	403 026 2803	CERAMIC 47P J 50V,VHR-777EX,VHR-757EX
C6727	403 068 0409	CERAMIC 0.1U Z 25V,VHR-777EX,VHR-757EX
C6728	403 130 2904	ELECT 0.47U M 50V,VHR-777EX,VHR-757EX
C6729	403 135 4002	ELECT 47U M 6.3V,VHR-777EX,VHR-757EX
C6730	403 069 5601	CERAMIC 0.01U K 50V,VHR-777EX, VHR-757EX
C6731	403 068 0409	CERAMIC 0.1U Z 25V,VHR-777EX,VHR-757EX
C6732	403 135 4002	ELECT 47U M 6.3V,VHR-777EX,VHR-757EX
C6733	403 069 5601	CERAMIC 0.01U K 50V,VHR-777EX, VHR-757EX
C6734	403 125 5606	ELECT 100U M 16V,VHR-777EX,VHR-757EX
C6741	403 069 5601	CERAMIC 0.01U K 50V,VHR-777EX, VHR-757EX
C6742	403 069 5601	CERAMIC 0.01U K 50V,VHR-777EX, VHR-757EX
C6743	403 073 0005	CERAMIC 3300P K 50V,VHR-777EX, VHR-757EX
C6744	403 073 0005	CERAMIC 3300P K 50V,VHR-777EX, VHR-757EX
C6745	403 107 9905	ELECT 10U M 16V,VHR-777EX,VHR-757EX
C6746	403 107 9905	ELECT 10U M 16V,VHR-777EX,VHR-757EX
C6751	403 009 5807	CERAMIC 100P J 50V,VHR-777EX,VHR-757EX
	(RESISTORS)	
R6701	401 037 9200	MT-GLAZE 1.8K JA 1/10W,VHR-777EX, VHR-757EX
R6702	401 038 3702	MT-GLAZE 33K JA 1/10W,VHR-777EX, VHR-757EX
R6703	401 038 0701	MT-GLAZE 2.2K JA 1/10W,VHR-777EX, VHR-757EX
R6704	401 037 8005	MT-GLAZE 15K JA 1/10W,VHR-777EX,VHR-757EX

LOCATION	PARTS NO.	DESCRIPTION
R6705	401 037 5400	MT-GLAZE 1K JA 1/10W,VHR-777EX, VHR-757EX
R6706	401 037 5202	MT-GLAZE 100 JA 1/10W,VHR-777EX, VHR-757EX
R6708	401 038 0701	MT-GLAZE 2.2K JA 1/10W,VHR-777EX, VHR-757EX
R6709	401 037 5608	MT-GLAZE 10K JA 1/10W,VHR-777EX, VHR-757EX
R6710	401 038 0800	MT-GLAZE 22K JA 1/10W,VHR-777EX, VHR-757EX
R6712	401 037 5004	MT-GLAZE 0.000 ZA 1/10W,VHR-777EX, VHR-757EX
R6714	401 037 5608	MT-GLAZE 10K JA 1/10W,VHR-777EX, VHR-757EX
R6715	401 038 0800	MT-GLAZE 22K JA 1/10W,VHR-777EX, VHR-757EX
R6716	401 037 5806	MT-GLAZE 1M JA 1/10W,VHR-777EX, VHR-757EX
R6717	401 037 5608	MT-GLAZE 10K JA 1/10W,VHR-777EX, VHR-757EX
R6718	401 038 9407	MT-GLAZE 680K JA 1/10W,VHR-777EX, VHR-757EX
R6741	401 037 7909	MT-GLAZE 1.5K JA 1/10W,VHR-777EX, VHR-757EX
R6742	401 037 7909	MT-GLAZE 1.5K JA 1/10W,VHR-777EX, VHR-757EX
R6743	401 037 7909	MT-GLAZE 1.5K JA 1/10W,VHR-777EX, VHR-757EX
R6744	401 037 7909	MT-GLAZE 1.5K JA 1/10W,VHR-777EX, VHR-757EX
R6745	401 038 0701	MT-GLAZE 2.2K JA 1/10W,VHR-777EX, VHR-757EX
R6746	401 038 0701	MT-GLAZE 2.2K JA 1/10W,VHR-777EX, VHR-757EX
R6747	401 037 5400	MT-GLAZE 1K JA 1/10W,VHR-777EX, VHR-757EX
R6748	401 037 5400	MT-GLAZE 1K JA 1/10W,VHR-777EX, VHR-757EX
	(CONNECTOR)	
CN671	645 003 0925	PLUG,11P (N.S.P),VHR-777EX,VHR-757EX

COMPL PWB,TN-6

	613 173 2827	VHR-797SP ONLY
	(SEMICONDUCTORS)	
Q6802	405 015 8407	TR 2SC2812-L5,VHR-797SP ONLY
OR	405 015 8704	TR 2SC2812-L6,VHR-797SP ONLY
OR	405 014 4509	TR 2SC2412K-R,VHR-797SP ONLY
OR	405 014 4608	TR 2SC2412K-S,VHR-797SP ONLY
	(INTEGRATED CIRCUITS)	
IC681	409 356 9406	IC MSP3410,VHR-797SP ONLY
IC682	409 018 4701	IC LA6458M,VHR-797SP ONLY
IC683	409 018 4701	IC LA6458M,VHR-797SP ONLY
IC684	409 018 4701	IC LA6458M,VHR-797SP ONLY
	(DIODES)	
D6801	407 007 9904	DIODE GMA01,VHR-797SP ONLY
OR	407 012 4406	DIODE 1SS133,VHR-797SP ONLY
D6802	407 007 9904	DIODE GMA01,VHR-797SP ONLY
OR	407 012 4406	DIODE 1SS133,VHR-797SP ONLY
D6803	407 007 9904	DIODE GMA01,VHR-797SP ONLY
OR	407 012 4406	DIODE 1SS133,VHR-797SP ONLY
	(CRYSTAL DEVICE)	
X6801	645 012 7618	OSC,CRYSTAL 18.432MHZ,VHR-797SP ONLY
	(INDUCTORS)	
L6801	645 010 5388	INDUCTOR,3.3U J,VHR-797SP ONLY
OR	645 011 4922	INDUCTOR,3.3U J,VHR-797SP ONLY
L6802	645 010 5388	INDUCTOR,3.3U J,VHR-797SP ONLY
OR	645 011 4922	INDUCTOR,3.3U J,VHR-797SP ONLY
L6803	645 003 7214	INDUCTOR,56U J,VHR-797SP ONLY
OR	645 003 7795	INDUCTOR,56U J,VHR-797SP ONLY
L6804	645 002 3675	LINE FILTER,VHR-797SP ONLY
	(CAPACITORS)	
C6801	403 031 9200	CERAMIC 7P D 50V,VHR-797SP ONLY
C6802	403 031 9200	CERAMIC 7P D 50V,VHR-797SP ONLY
C6803	403 069 5601	CERAMIC 0.01U K 50V,VHR-797SP ONLY
C6804	403 069 5601	CERAMIC 0.01U K 50V,VHR-797SP ONLY
C6805	403 069 5601	CERAMIC 0.01U K 50V,VHR-797SP ONLY
C6806	403 135 4002	ELECT 47U M 6.3V,VHR-797SP ONLY
C6807	403 068 0409	CERAMIC 0.1U Z 25V,VHR-797SP ONLY
C6808	403 107 9905	ELECT 10U M 16V,VHR-797SP ONLY
C6809	403 026 7600	CERAMIC 470P J 50V,VHR-797SP ONLY
C6810	403 026 7600	CERAMIC 470P J 50V,VHR-797SP ONLY
C6811	403 068 0409	CERAMIC 0.1U Z 25V,VHR-797SP ONLY
C6812	403 135 7805	ELECT 3.3U M 50V,VHR-797SP ONLY
C6813	403 107 9905	ELECT 10U M 16V,VHR-797SP ONLY
C6814	403 107 9905	ELECT 10U M 16V,VHR-797SP ONLY
C6815	403 069 5601	CERAMIC 0.01U K 50V,VHR-797SP ONLY
C6816	403 069 5601	CERAMIC 0.01U K 50V,VHR-797SP ONLY
C6818	403 024 7206	CERAMIC 390P J 50V,VHR-797SP ONLY
C6819	403 024 7206	CERAMIC 390P J 50V,VHR-797SP ONLY
C6820	403 069 1702	CERAMIC 1000P K 50V,VHR-797SP ONLY
C6821	403 069 1702	CERAMIC 1000P K 50V,VHR-797SP ONLY
C6822	403 135 5801	ELECT 0.1U M 50V,VHR-797SP ONLY
C6823	403 009 5807	CERAMIC 100P J 50V,VHR-797SP ONLY
C6824	403 135 4002	ELECT 47U M 6.3V,VHR-797SP ONLY
C6825	403 033 9000	CERAMIC 820P J 50V,VHR-797SP ONLY
C6826	403 024 7206	CERAMIC 390P J 50V,VHR-797SP ONLY
C6827	403 024 7206	CERAMIC 390P J 50V,VHR-797SP ONLY
C6828	403 073 9107	CERAMIC 4700P K 50V,VHR-797SP ONLY
C6829	403 033 4609	CERAMIC 82P J 50V,VHR-797SP ONLY
C6830	403 071 8102	CERAMIC 2200P K 50V,VHR-797SP ONLY
C6831	403 135 7805	ELECT 3.3U M 50V,VHR-797SP ONLY
C6832	403 033 9000	CERAMIC 820P J 50V,VHR-797SP ONLY
C6833	403 024 7206	CERAMIC 390P J 50V,VHR-797SP ONLY
C6834	403 024 7206	CERAMIC 390P J 50V,VHR-797SP ONLY
C6835	403 073 9107	CERAMIC 4700P K 50V,VHR-797SP ONLY
C6836	403 033 4609	CERAMIC 82P J 50V,VHR-797SP ONLY
C6837	403 071 8102	CERAMIC 2200P K 50V,VHR-797SP ONLY
C6838	403 135 7805	ELECT 3.3U M 50V,VHR-797SP ONLY
C6839	403 073 0005	CERAMIC 3300P K 50V,VHR-797SP ONLY
C6840	403 069 1702	CERAMIC 1000P K 50V,VHR-797SP ONLY
C6841	403 071 8102	CERAMIC 2200P K 50V,VHR-797SP ONLY
C6842	403 069 1702	CERAMIC 1000P K 50V,VHR-797SP ONLY
C6843	403 073 0005	CERAMIC 3300P K 50V,VHR-797SP ONLY
C6844	403 071 8102	CERAMIC 2200P K 50V,VHR-797SP ONLY
C6845	403 069 5601	CERAMIC 0.01U K 50V,VHR-797SP ONLY
C6846	403 125 5606	ELECT 100U M 16V,VHR-797SP ONLY
C6847	403 107 9905	ELECT 10U M 16V,VHR-797SP ONLY
C6848	403 107 9905	ELECT 10U M 16V,VHR-797SP ONLY
C6849	403 069 5601	CERAMIC 0.01U K 50V,VHR-797SP ONLY
C6850	403 069 5601	CERAMIC 0.01U K 50V,VHR-797SP ONLY
C6851	403 068 0409	CERAMIC 0.1U Z 25V,VHR-797SP ONLY
C6859	403 069 5601	CERAMIC 0.01U K 50V,VHR-797SP ONLY
	(RESISTORS)	
R6801	401 038 9407	MT-GLAZE 680K JA 1/10W,VHR-797SP ONLY
R6803	401 038 3801	MT-GLAZE 330K JA 1/10W,VHR-797SP ONLY
R6804	401 037 7909	MT-GLAZE 1.5K JA 1/10W,VHR-797SP ONLY
R6805	401 037 8609	MT-GLAZE 1.6K JA 1/10W,VHR-797SP ONLY
R6806	401 038 2200	MT-GLAZE 27K JA 1/10W,VHR-797SP ONLY
R6807	401 039 0403	MT-GLAZE 8.2K JA 1/10W,VHR-797SP ONLY
R6808	401 038 6307	MT-GLAZE 470 JA 1/10W,VHR-797SP ONLY
R6809	401 037 5707	MT-GLAZE 100K JA 1/10W,VHR-797SP ONLY
R6810	401 037 5707	MT-GLAZE 100K JA 1/10W,VHR-797SP ONLY
R6811	401 037 5707	MT-GLAZE 100K JA 1/10W,VHR-797SP ONLY
R6812	401 038 6307	MT-GLAZE 470 JA 1/10W,VHR-797SP ONLY
R6813	401 037 5707	MT-GLAZE 100K JA 1/10W,VHR-797SP ONLY
R6814	401 039 0403	MT-GLAZE 8.2K JA 1/10W,VHR-797SP ONLY
R6815	401 038 2200	MT-GLAZE 27K JA 1/10W,VHR-797SP ONLY
R6816	401 037 7909	MT-GLAZE 1.5K JA 1/10W,VHR-797SP ONLY
R6817	401 038 3801	MT-GLAZE 330K JA 1/10W,VHR-797SP ONLY
R6818	401 037 8609	MT-GLAZE 1.6K JA 1/10W,VHR-797SP ONLY
R6819	401 038 2101	MT-GLAZE 2.7K JA 1/10W,VHR-797SP ONLY
R6820	401 038 6406	MT-GLAZE 4.7K JA 1/10W,VHR-797SP ONLY
R6821	401 038 5102	MT-GLAZE 3.9K JA 1/10W,VHR-797SP ONLY
R6822	401 038 6406	MT-GLAZE 4.7K JA 1/10W,VHR-797SP ONLY
R6823	401 038 2101	MT-GLAZE 2.7K JA 1/10W,VHR-797SP ONLY
R6824	401 038 5102	MT-GLAZE 3.9K JA 1/10W,VHR-797SP ONLY
R6825	401 037 8005	MT-GLAZE 15K JA 1/10W,VHR-797SP ONLY
R6826	401 038 0800	MT-GLAZE 22K JA 1/10W,VHR-797SP ONLY
R6827	401 038 0701	MT-GLAZE 2.2K JA 1/10W,VHR-797SP ONLY
R6828	401 038 0701	MT-GLAZE 2.2K JA 1/10W,VHR-797SP ONLY
R6829	401 038 0701	MT-GLAZE 2.2K JA 1/10W,VHR-797SP ONLY
	(JUMPERS)	
	401 037 5004	MT-GLAZE 0.000 ZA 1/10W,VHR-797SP ONLY
	(CONNECTORS)	
CN681	645 003 0925	PLUG,11P (N.S.P),VHR-797SP ONLY
CN682	645 011 4120	SOCKET,IC 68P (N.S.P),VHR-797SP ONLY

LOCATION	PARTS NO.	DESCRIPTION
COMPL PWB,AD-5		
	613 176 3913	VHR-797SP ONLY
	(SEMICONDUCTORS)	
Q2501	405 014 4608	TR 2SC2412K-S,VHR-797SP ONLY
OR	405 014 4509	TR 2SC2412K-R,VHR-797SP ONLY
OR	405 015 8407	TR 2SC2812-L5,VHR-797SP ONLY
OR	405 015 8704	TR 2SC2812-L6,VHR-797SP ONLY
Q2502	405 015 8407	TR 2SC2812-L5,VHR-797SP ONLY
OR	405 014 4509	TR 2SC2412K-R,VHR-797SP ONLY
OR	405 015 8704	TR 2SC2812-L6,VHR-797SP ONLY
OR	405 014 4608	TR 2SC2412K-S,VHR-797SP ONLY
	(INTEGRATED CIRCUITS)	
IC251	409 378 7107	IC LC85401E,VHR-797SP ONLY
IC252	409 314 8403	IC LC32256P-80,VHR-797SP ONLY
OR	409 235 1408	IC LM33256G-10,VHR-797SP ONLY
OR	409 158 1400	IC LM33256G-12,VHR-797SP ONLY
OR	409 123 4306	IC LM33256N-15,VHR-797SP ONLY
	(CRYSTAL DEVICE)	
X2501	645 011 5431	OSC,CERAMIC 18.43MHZ,VHR-797SP ONLY
	(CAPACITORS)	
C2501	403 215 3109	CERAMIC 0.1U Z 16V,VHR-797SP ONLY
C2502	403 107 9905	ELECT 10U M 16V,VHR-797SP ONLY
C2503	403 134 8100	ELECT 100U M 6.3V,VHR-797SP ONLY
C2504	403 069 9500	CERAMIC 0.01U Z 50V,VHR-797SP ONLY
C2505	403 134 8100	ELECT 100U M 6.3V,VHR-797SP ONLY
C2506	403 069 9500	CERAMIC 0.01U Z 50V,VHR-797SP ONLY
C2508	403 121 2401	ELECT 22U M 16V,VHR-797SP ONLY
C2509	403 121 3408	ELECT 2.2U M 50V,VHR-797SP ONLY
C2510	403 001 7908	CERAMIC 0.047U K 16V,VHR-797SP ONLY
C2511	403 010 1102	CERAMIC 1000P J 50V,VHR-797SP ONLY
C2512	403 010 1102	CERAMIC 1000P J 50V,VHR-797SP ONLY
C2513	403 071 8102	CERAMIC 2200P K 50V,VHR-797SP ONLY
C2514	403 069 9500	CERAMIC 0.01U Z 50V,VHR-797SP ONLY
C2515	403 010 1102	CERAMIC 1000P J 50V,VHR-797SP ONLY
C2517	403 010 1102	CERAMIC 1000P J 50V,VHR-797SP ONLY
C2518	403 135 4002	ELECT 47U M 6.3V,VHR-797SP ONLY
C2519	403 069 1702	CERAMIC 1000P K 50V,VHR-797SP ONLY
C2520	403 073 4201	CERAMIC 3900P K 50V,VHR-797SP ONLY
C2524	403 107 9905	ELECT 10U M 16V,VHR-797SP ONLY
C2525	403 022 8205	CERAMIC 33P J 50V,VHR-797SP ONLY
	(RESISTORS)	
R2501	401 038 3603	MT-GLAZE 3.3K JA 1/10W,VHR-797SP ONLY
R2502	401 038 3702	MT-GLAZE 33K JA 1/10W,VHR-797SP ONLY
R2503	401 037 5608	MT-GLAZE 10K JA 1/10W,VHR-797SP ONLY
R2504	401 037 5400	MT-GLAZE 1K JA 1/10W,VHR-797SP ONLY
R2505	401 038 6406	MT-GLAZE 4.7K JA 1/10W,VHR-797SP ONLY
R2506	401 038 6406	MT-GLAZE 4.7K JA 1/10W,VHR-797SP ONLY
R2507	401 164 7407	MT-FILM 1.8K DU 1/10W,VHR-797SP ONLY
R2508	401 165 1305	MT-FILM 68K DU 1/10W,VHR-797SP ONLY
R2509	401 164 7100	MT-FILM 1.5K DU 1/10W,VHR-797SP ONLY
R2510	401 037 5608	MT-GLAZE 10K JA 1/10W,VHR-797SP ONLY
R2511	401 038 0909	MT-GLAZE 220K JA 1/10W,VHR-797SP ONLY
R2512	401 038 6505	MT-GLAZE 47K JA 1/10W,VHR-797SP ONLY
R2513	401 037 5400	MT-GLAZE 1K JA 1/10W,VHR-797SP ONLY
R2514	401 037 9309	MT-GLAZE 18K JA 1/10W,VHR-797SP ONLY
R2515	401 038 0909	MT-GLAZE 220K JA 1/10W,VHR-797SP ONLY
R2516	401 037 5608	MT-GLAZE 10K JA 1/10W,VHR-797SP ONLY
R2517	401 038 7908	MT-GLAZE 560K JA 1/10W,VHR-797SP ONLY
R2518	401 037 5400	MT-GLAZE 1K JA 1/10W,VHR-797SP ONLY
R2519	401 037 5608	MT-GLAZE 10K JA 1/10W,VHR-797SP ONLY
R2521	401 037 5707	MT-GLAZE 100K JA 1/10W,VHR-797SP ONLY
R2526	401 037 6803	MT-GLAZE 12K JA 1/10W,VHR-797SP ONLY
R2527	401 037 6803	MT-GLAZE 12K JA 1/10W,VHR-797SP ONLY
R2529	401 038 3702	MT-GLAZE 33K JA 1/10W,VHR-797SP ONLY
	(JUMPERS)	
	401 037 5004	MT-GLAZE 0.000 ZA 1/10W,VHR-797SP ONLY
	(FILTER)	
F2501	610 247 3322	FILTER,EMI 22000PF,VHR-797SP ONLY
	(CONNECTOR)	
CN251	645 007 6336	PLUG,7P (N.S.P),VHR-797SP ONLY

LOCATION	PARTS NO.	DESCRIPTION
COMPL PWB,MC-1		
	613 173 9451	
	(CAPACITOR)	
C8001	403 121 9509	CERAMIC 0.1U Z 50V
	(RESISTORS)	
R8001	401 015 2605	CARBON 1.8K JA 1/4W
R8002	401 023 1607	CARBON 820 JA 1/4W
R8003	401 017 0708	CARBON 270 JA 1/4W
R8004	401 014 2804	CARBON 150 JA 1/4W
	(SWITCHES)	
S8002	645 009 3388	SWITCH,DETECTOR 1P-1T,
OR	645 003 4589	SWITCH,DETECTOR 1P-1T,
	(CONNECTOR)	
CN801	645 007 8446	SOCKET,12P (N.S.P)
	(MISCELLANEOUS)	
	613 152 4002	SPACER,MC1

FLEXIBLE FLAT CABLE

	645 017 0645	FLEXIBLE FLAT CABLE,EXCEPT VHR-797SP (TM-1 to CP-1-A)
OR	645 017 0652	FLEXIBLE FLAT CABLE,VHR-797SP ONLY (TM-1 to CP-1-A)

ACCESSORIES

	645 017 0911	REMOCON,INFRARED,WITH COVER BATTERY,VHR-757NL ONLY
OR	645 023 2398	REMOCON,INFRARED,WITH COVER BATTERY,VHR-757G ONLY
OR	645 021 3465	REMOCON,INFRARED,WITH COVER BATTERY,VHR-777EX,VHR-777EV
OR	645 020 6917	REMOCON,INFRARED,WITH COVER BATTERY,VHR-797SP ONLY
OR	645 018 9258	REMOCON,INFRARED,WITH COVER BATTERY,VHR-757EX ONLY
	613 173 7013	COVER BATTERY,FOR REMOCON,VHR-777EX, VHR-777EV
OR	613 177 1901	COVER,BATTERY,FOR REMOCON,VHR-797SP
OR	613 169 4385	COVER,BATTERY,FOR REMOCON, VHR-757EX,VHR-757G,VHR-757NL
	613 175 7547	INSTRUCTION MANUAL (Danish, Dutch,English, Finnish,Swedish) ,VHR-757EX ONLY
OR	613 175 7554	INSTRUCTION MANUAL(Portuguese), VHR-757EX ONLY
OR	613 175 7530	INSTRUCTION MANUAL,VHR-757G ONLY
OR	613 176 7454	INSTRUCTION MANUAL (Dutch, French), VHR-757NL ONLY
OR	613 177 8337	INSTRUCTION MANUAL(Italian), VHR-757NL ONLY
OR	613 174 8439	INSTRUCTION MANUAL,VHR-777EX ONLY
OR	613 176 3074	INSTRUCTION MANUAL,VHR-777EV ONLY
OR	613 173 1356	INSTRUCTION MANUAL,VHR-797SP ONLY
	645 025 1382	CABLE,ANT PAL
OR	645 009 4569	CABLE,ANT PAL
OR	645 003 1182	CABLE,ANT PAL
OR	645 023 4170	CABLE,ANT PAL
⚠	613 132 3568	CORD,POWER
OR ⚠	645 003 3766	CORD,POWER
OR ⚠	645 002 6805	CORD,POWER
OR ⚠	645 009 0400	CORD,POWER
OR ⚠	645 025 0767	CORD,POWER
OR ⚠	645 023 4163	CORD,POWER
OR ⚠	645 019 2647	CORD,POWER
OR ⚠	645 024 0522	CORD,POWER

PACKING MATERIALS

	613 177 2328	CARTON CASE,VHR-757EX ONLY
OR	613 177 2311	CARTON CASE,VHR-757NL ONLY
OR	613 176 5207	CARTON CASE,VHR-777EV ONLY
OR	613 173 2513	CARTON CASE,VHR-797SP ONLY
OR	613 175 6595	CARTON CASE,VHR-777EX ONLY
OR	613 176 0974	CARTON CASE,VHR-757G ONLY
	613 173 2537	CUSHION, FRONT (SID)
	613 173 2544	CUSHION, BACK (SID)
	613 099 1768	POLYE COVER,INNER-K,VHR-797SP ONLY
OR	613 139 8047	POLYE COVER,INNER-K, EXCEPT VHR-797SP,VHR-757G
OR	613 099 1768	POLYE COVER,INNER-K,VHR-757G ONLY

VHR-757G,VHR-757EX
VHR-757NL,VHR-777EV
VHR-777EX,VHR-797SP

BLOCK DIAGRAMS,CIRCUIT DIAGRAMS & PRINTED WIRING BOARDS

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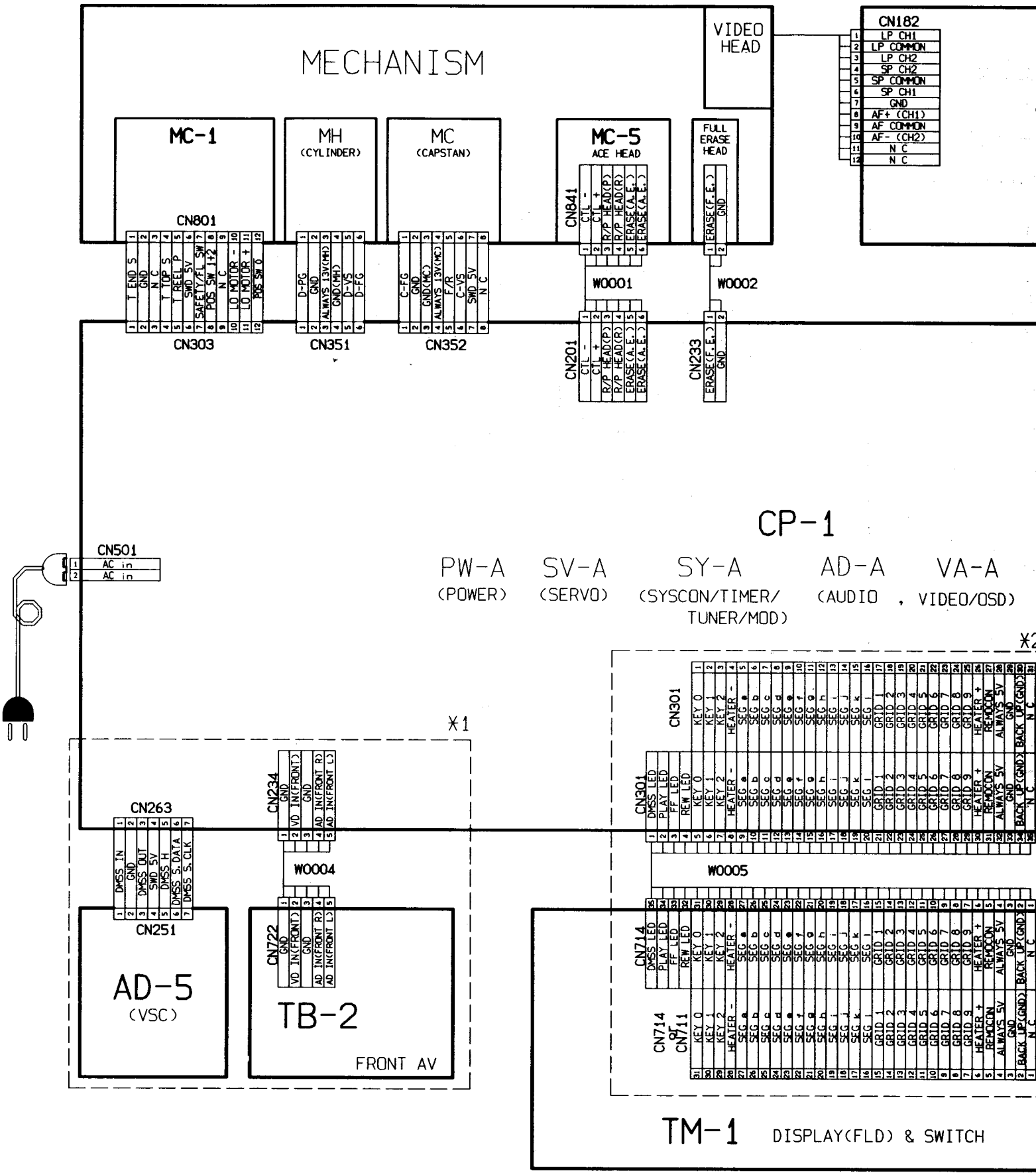
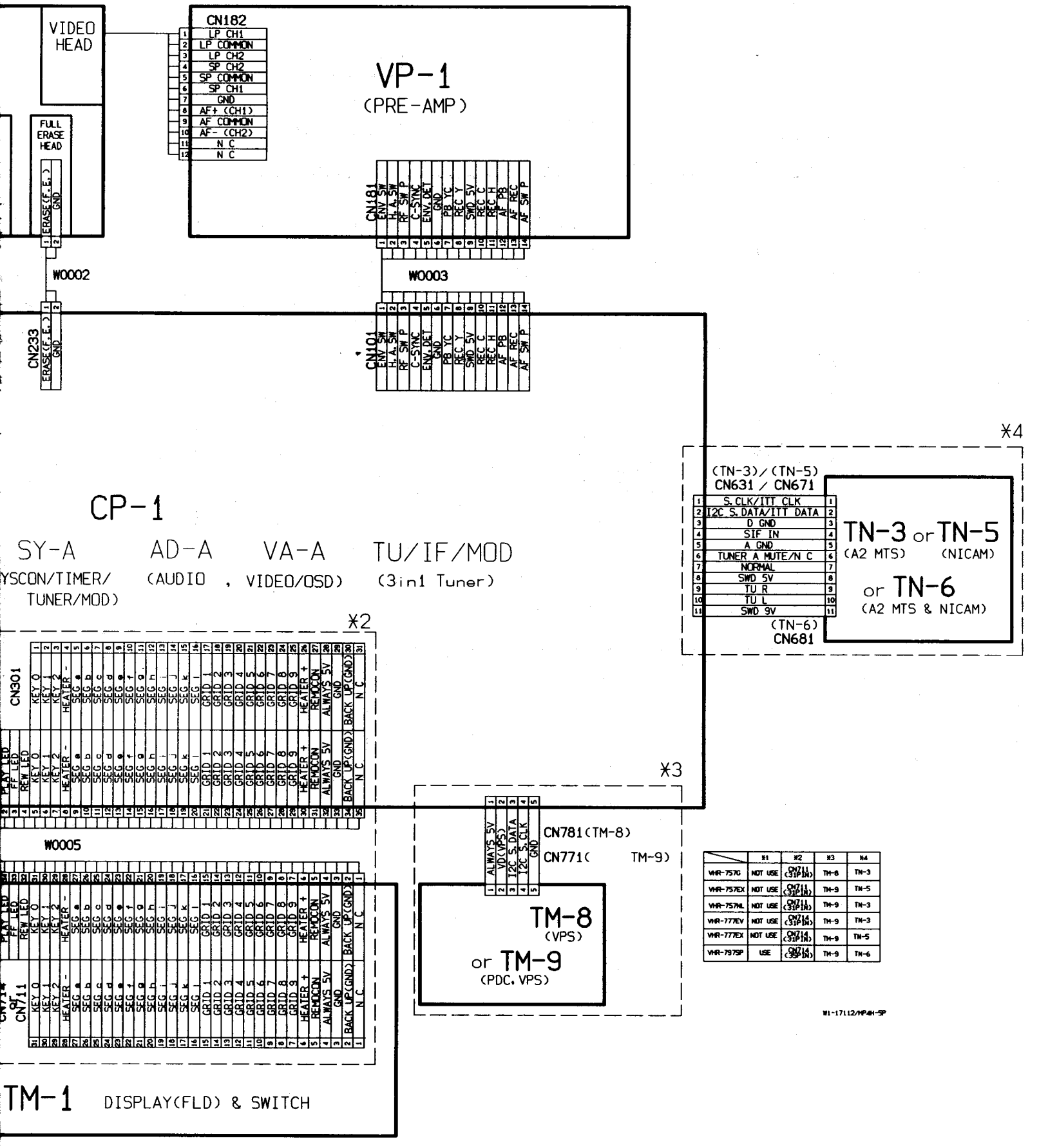
REFERENCE No.SM531579

OVERALL WIRING

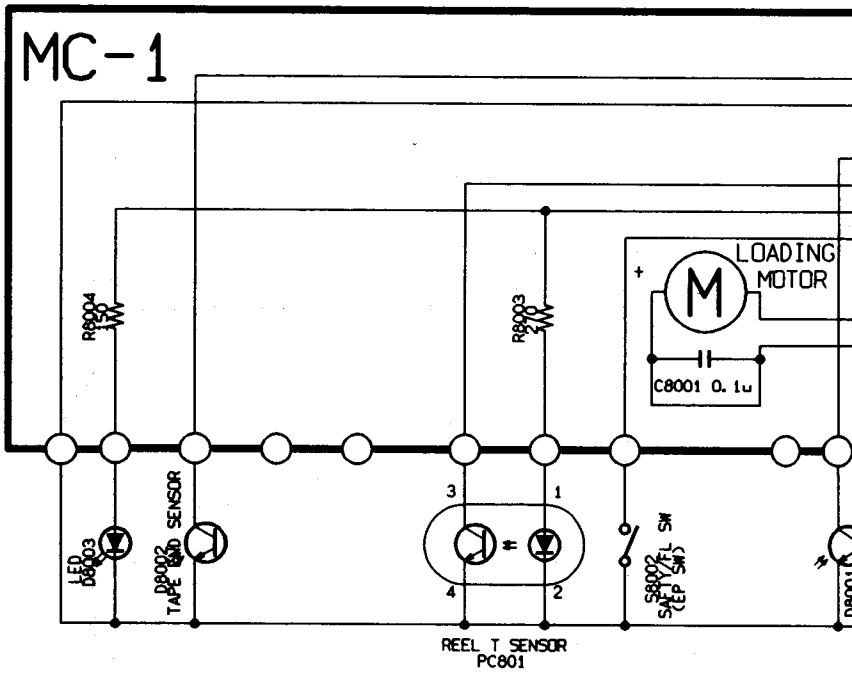


OVERALL WIRING



	*1	*2	*3	*4
VHR-757G	NOT USE	CN711 (31PIN)	TN-6	TN-3
VHR-757EX	NOT USE	CN711 (31PIN)	TN-9	TN-5
VHR-757ML	NOT USE	CN711 (31PIN)	TN-9	TN-3
VHR-777EV	NOT USE	CN714 (31PIN)	TN-9	TN-3
VHR-777EX	NOT USE	CN714 (31PIN)	TN-9	TN-5
VHR-7975P	USE	CN714 (39PIN)	TN-9	TN-6

W1-17112/MP4H-SP



※4

(TN-3)/(TN-5) CN631 / CN671

S.CLK/ITT CLK	1
C S.DATA/ITT DATA	2
D GND	3
SIF IN	4
A GND	5
TUNER A MUTE/N C	6
NORMAL	7
SWD 5V	8
TU R	9
TU L	10
SWD 9V	11

(TN-6) CN681

TN-3 or TN-5 (A2 MTS) (NICAM)

or TN-6 (A2 MTS & NICAM)

	※1	※2	※3	※4
R-757G	NOT USE	CN711 (31P1N)	TN-8	TN-3
R-757EX	NOT USE	CN711 (31P1N)	TN-9	TN-5
R-757NL	NOT USE	CN711 (31P1N)	TN-9	TN-3
R-777EV	NOT USE	CN714 (31P1N)	TN-9	TN-3
R-777EX	NOT USE	CN714 (31P1N)	TN-9	TN-5
R-797SP	USE	CN714 (31P1N)	TN-9	TN-6

※1-17112/HP4H-SP

DRU

C

MC

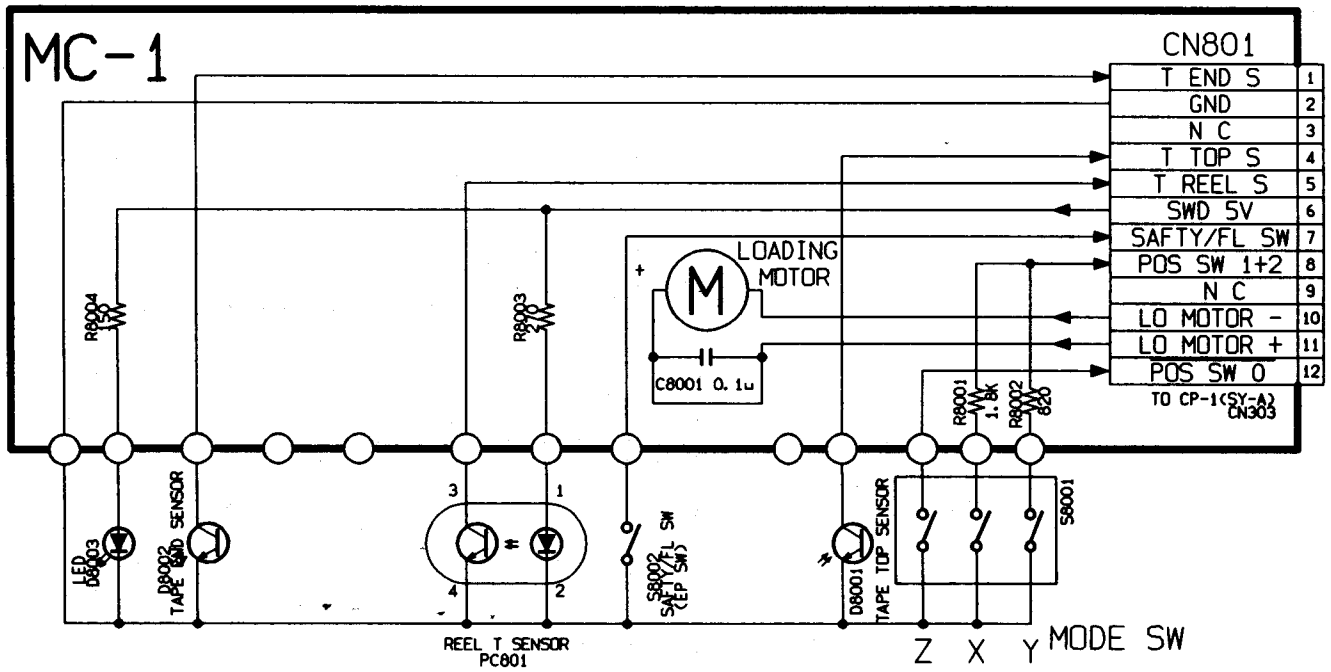
A

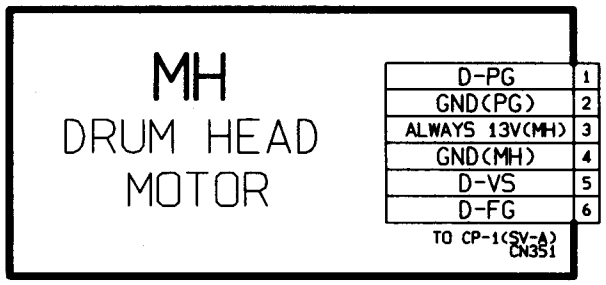
HE

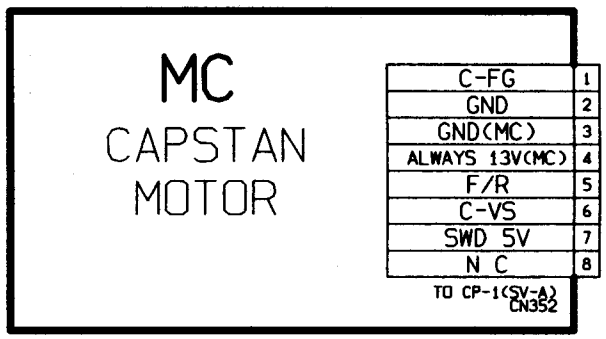
FE

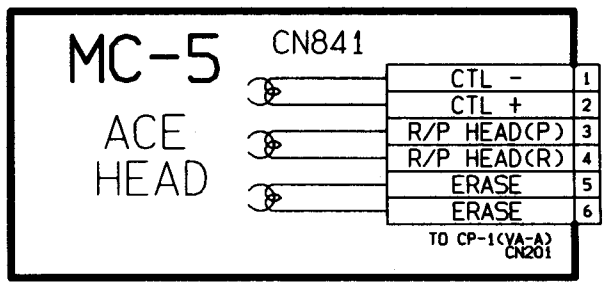
13 14 15 16 17 18 19 20

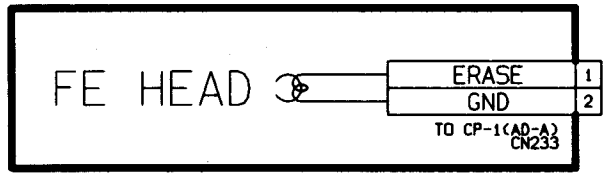
MECHANISM CONNECTION





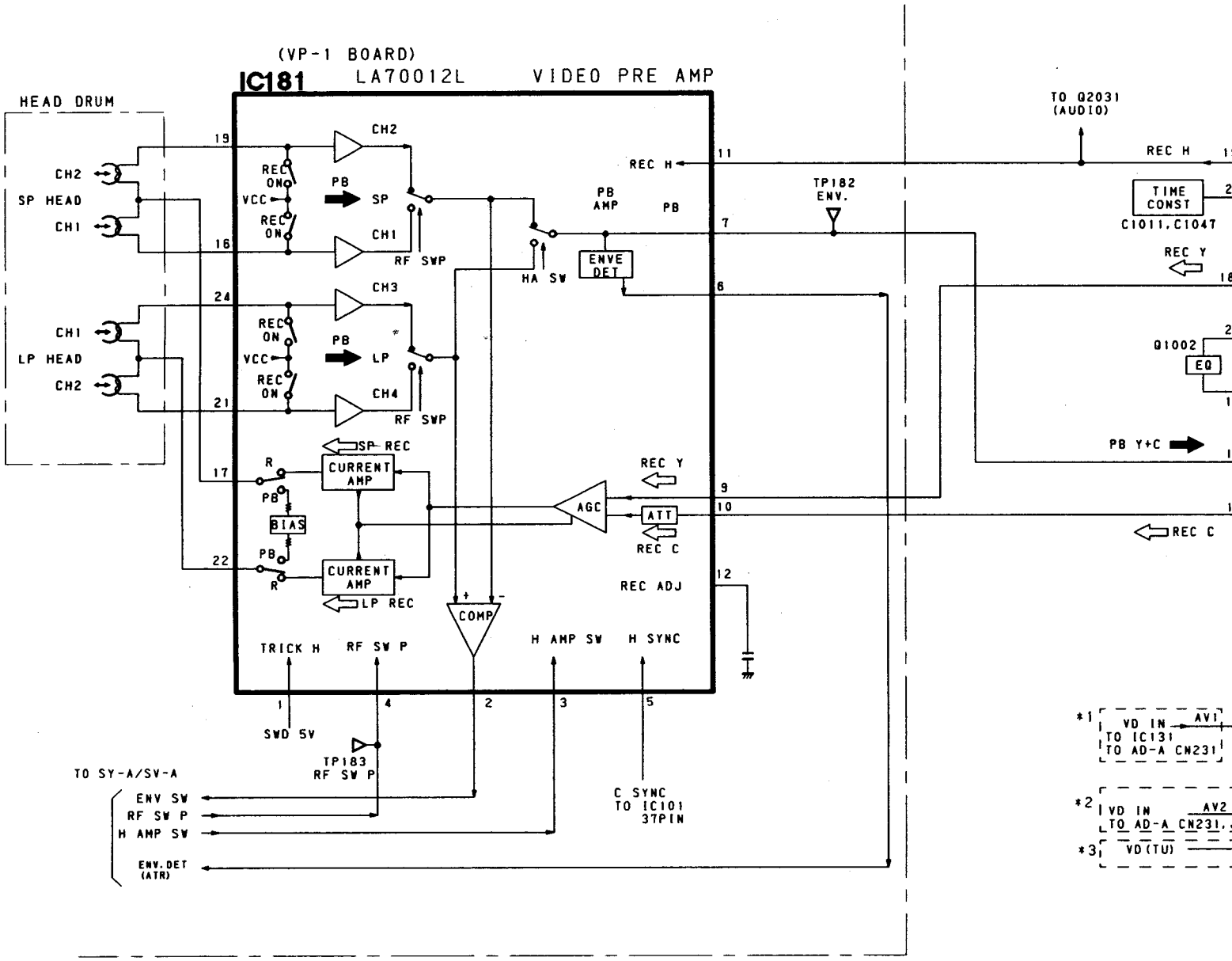






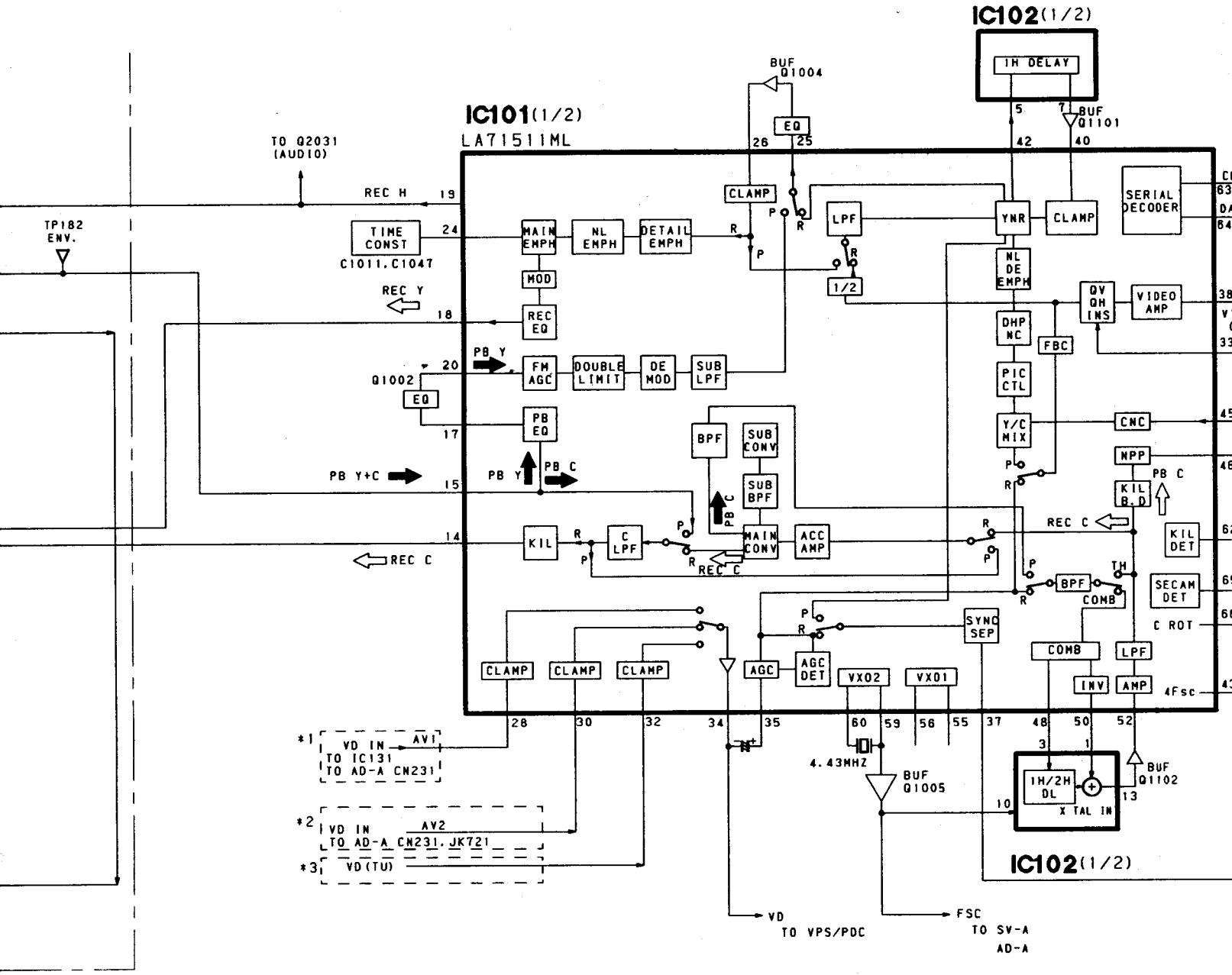
M1-17108/MP4-GSY

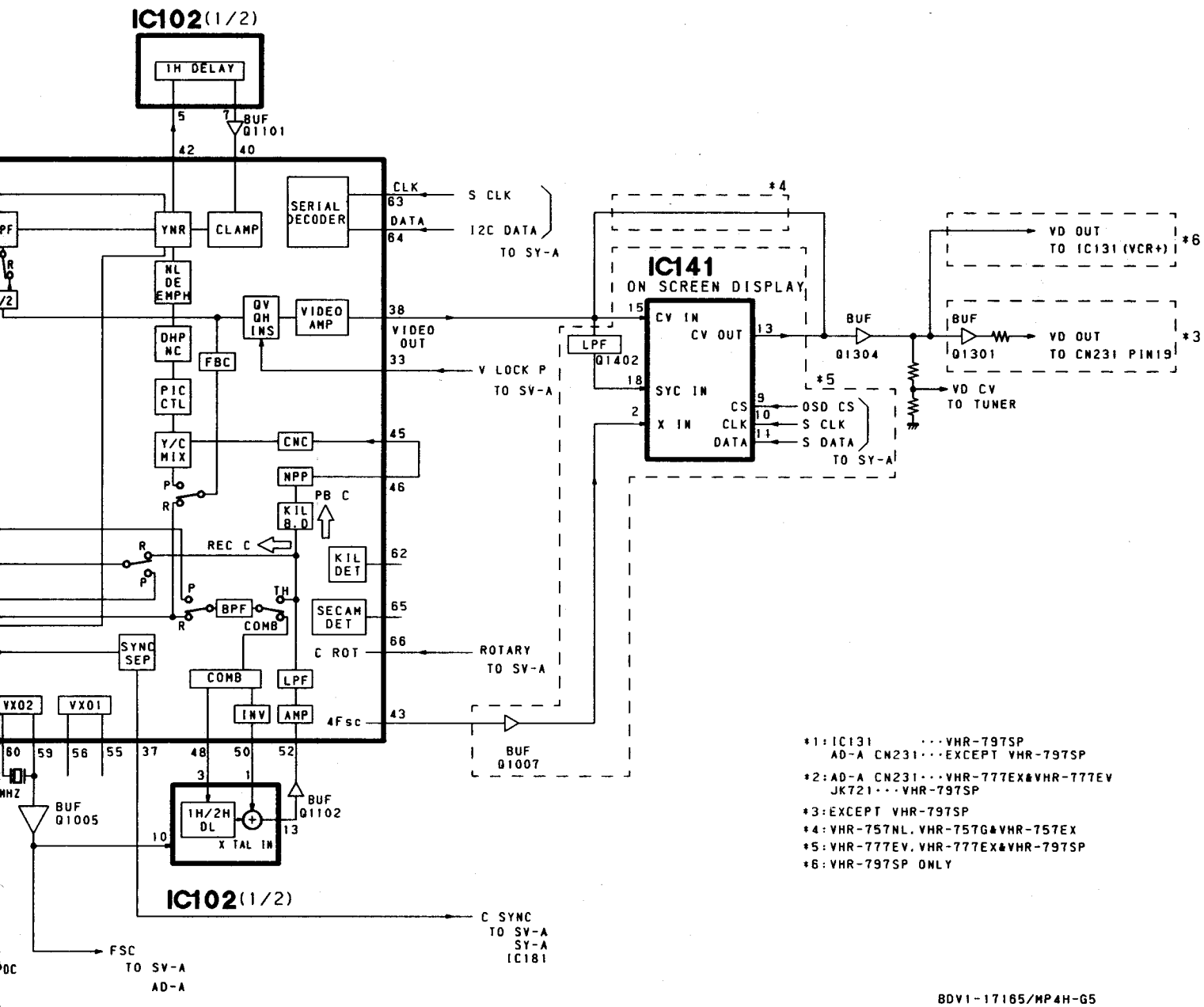
15 16 17 18 19 20 21 22 23


(VP-1 BOARD)
IC181 LA70012L VIDEO PRE AMP
HEAD DRUM
CH2
SP HEAD
CH1
CH1
LP HEAD
CH2
19
16
24
21
17
22
REC ON
VCC
PB
SP
LP
CH1
CH2
CH3
CH4
RF SWP
SP REC
LP REC
CURRENT AMP
BIAS
R
PB
HA SW
ENVE DET
PB AMP
REC H
REC Y
REC C
AGC
ATT
REC ADJ
COMP
TRICK H
RF SW P
H AMP SW
H SYNC
SWD 5V
TP183
RF SW P
TO SY-A/SV-A
ENV SW
RF SW P
H AMP SW
ENV.DET (ATR)
C SYNC
TO IC101
37PIN
TP182
ENV.
TO Q2031
(AUDIO)
TIME CONST
C1011,C1047
Q1002
EQ
PB Y+C
VD IN
TO IC131
TO AD-A CN231
VD(TU)

3 4 5 6 7 8 9 10

VIDEO CIRCUIT





*1: IC131 ···VHR-797SP
AD-A CN231···EXCEPT VHR-797SP

*2: AD-A CN231···VHR-777EX&VHR-777EV
JK721···VHR-797SP

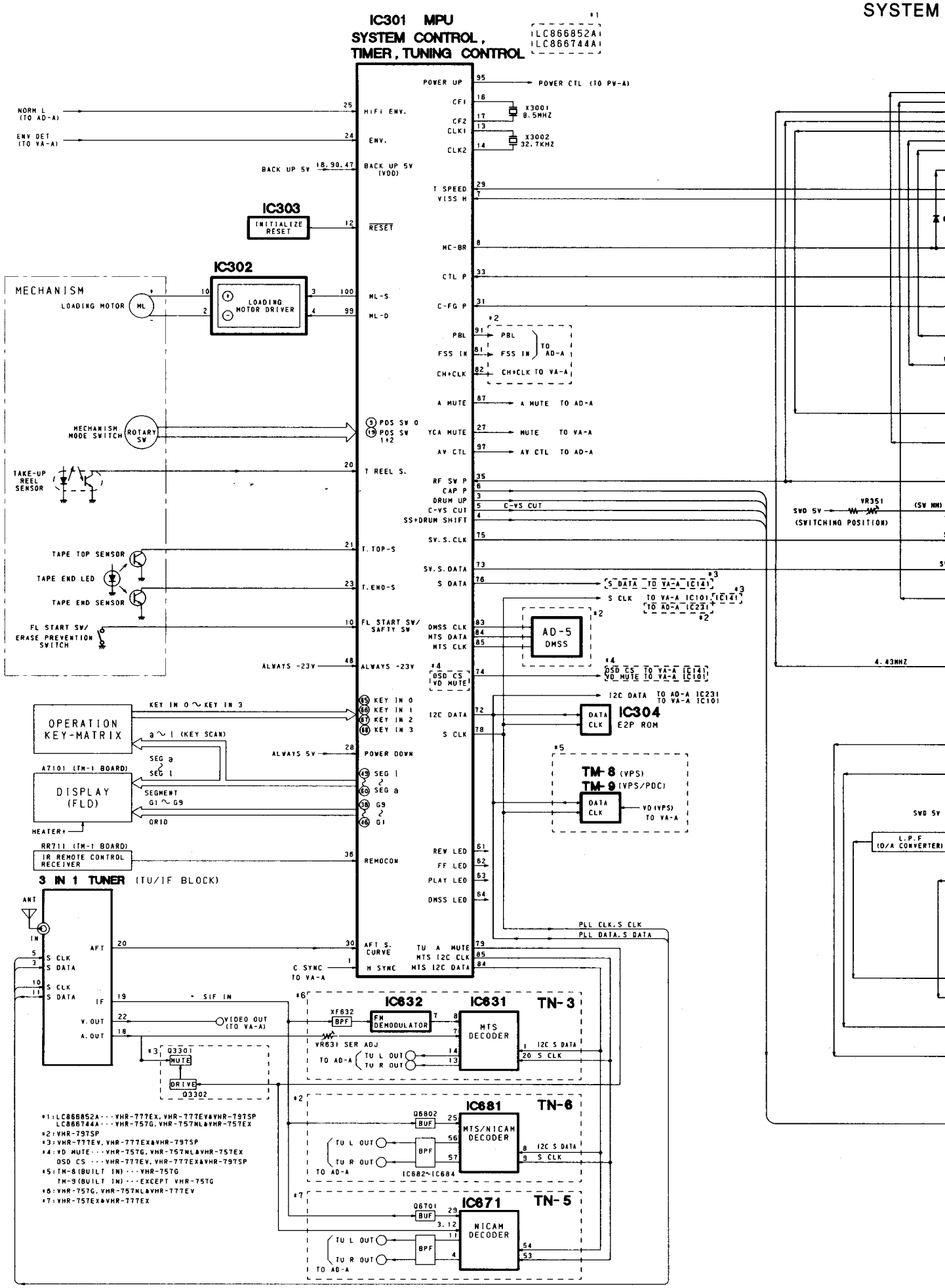
*3: EXCEPT VHR-797SP

*4: VHR-757NL, VHR-757G&VHR-757EX

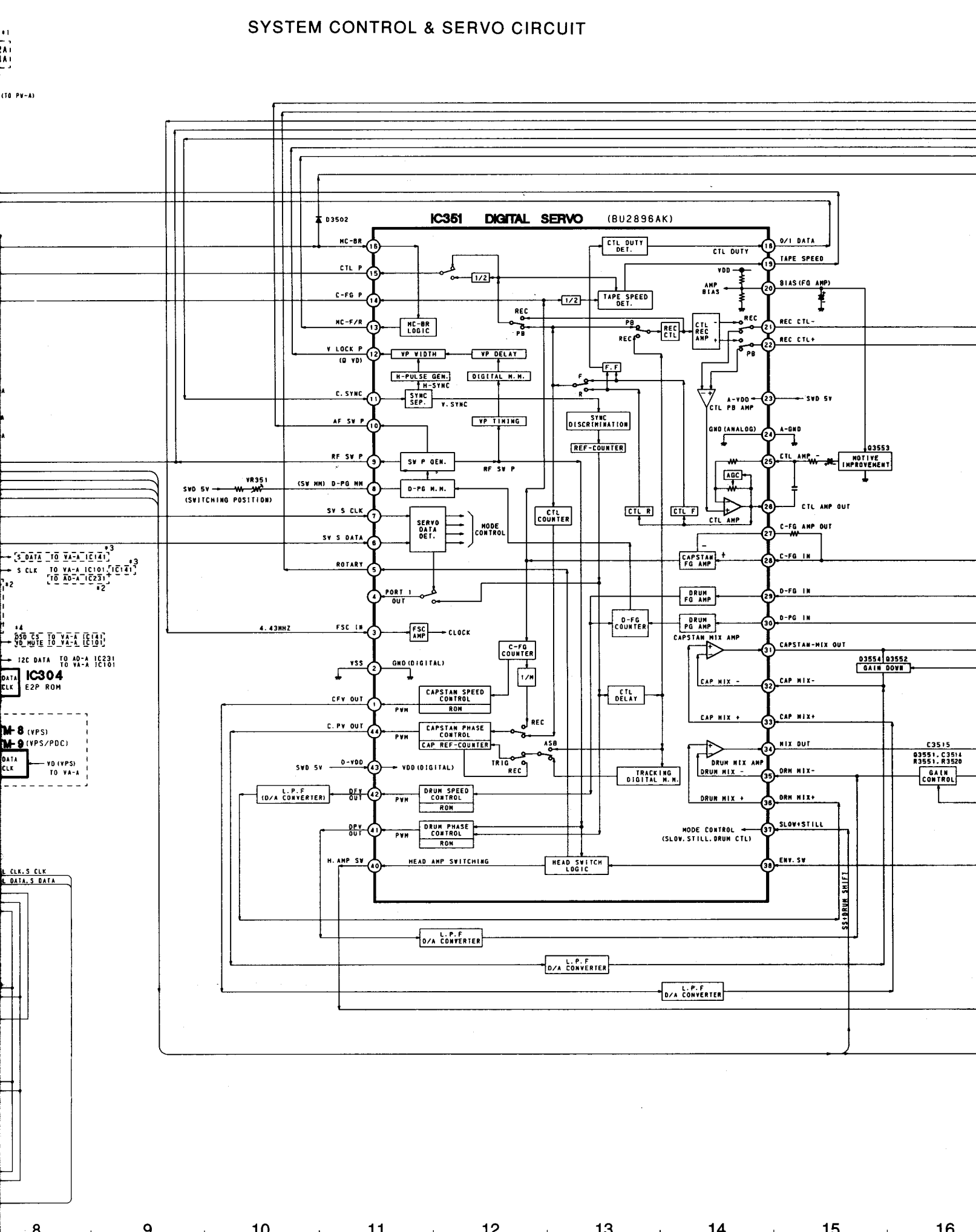
*5: VHR-777EV, VHR-777EX&VHR-797SP

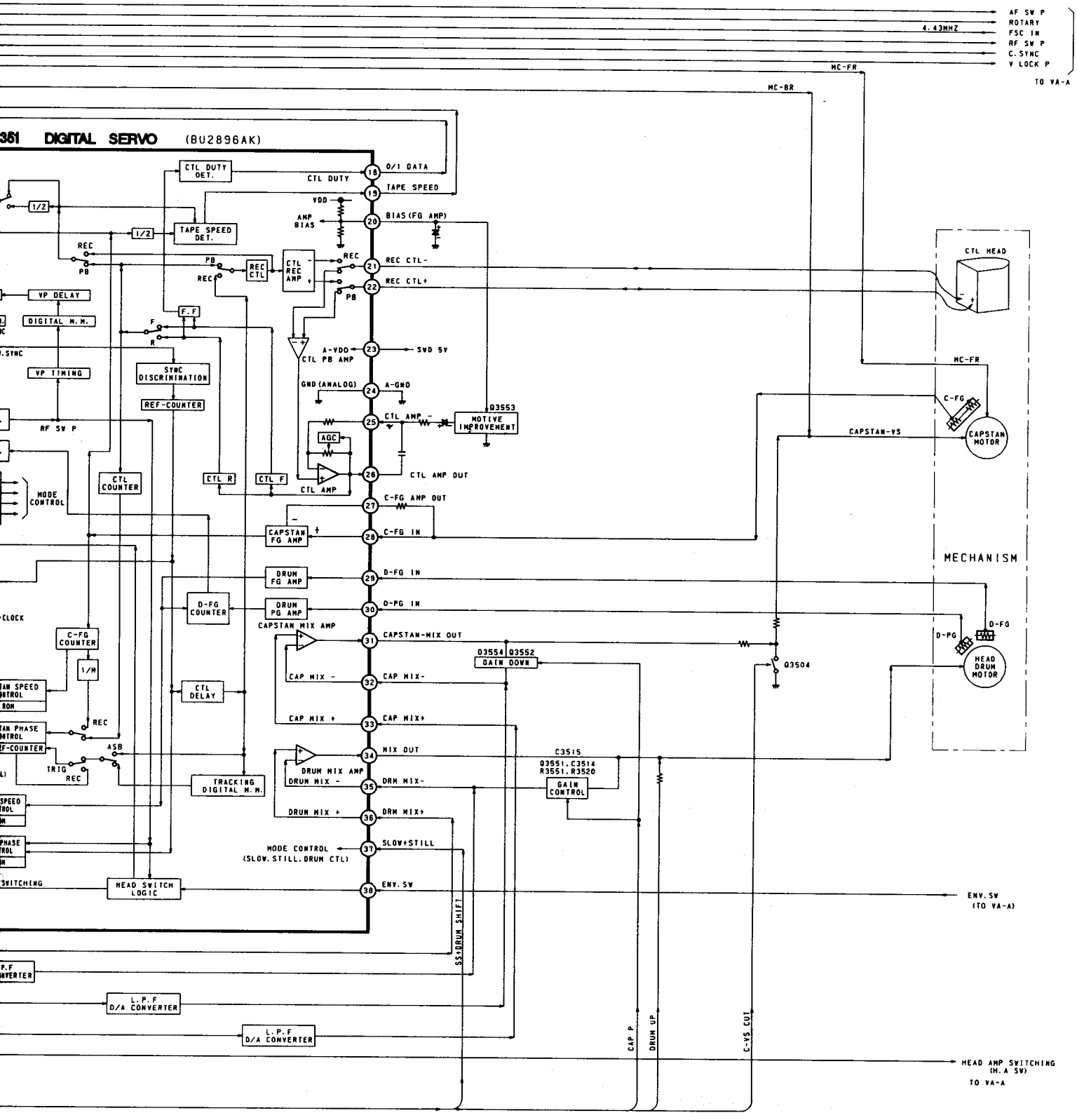
*6: VHR-797SP ONLY

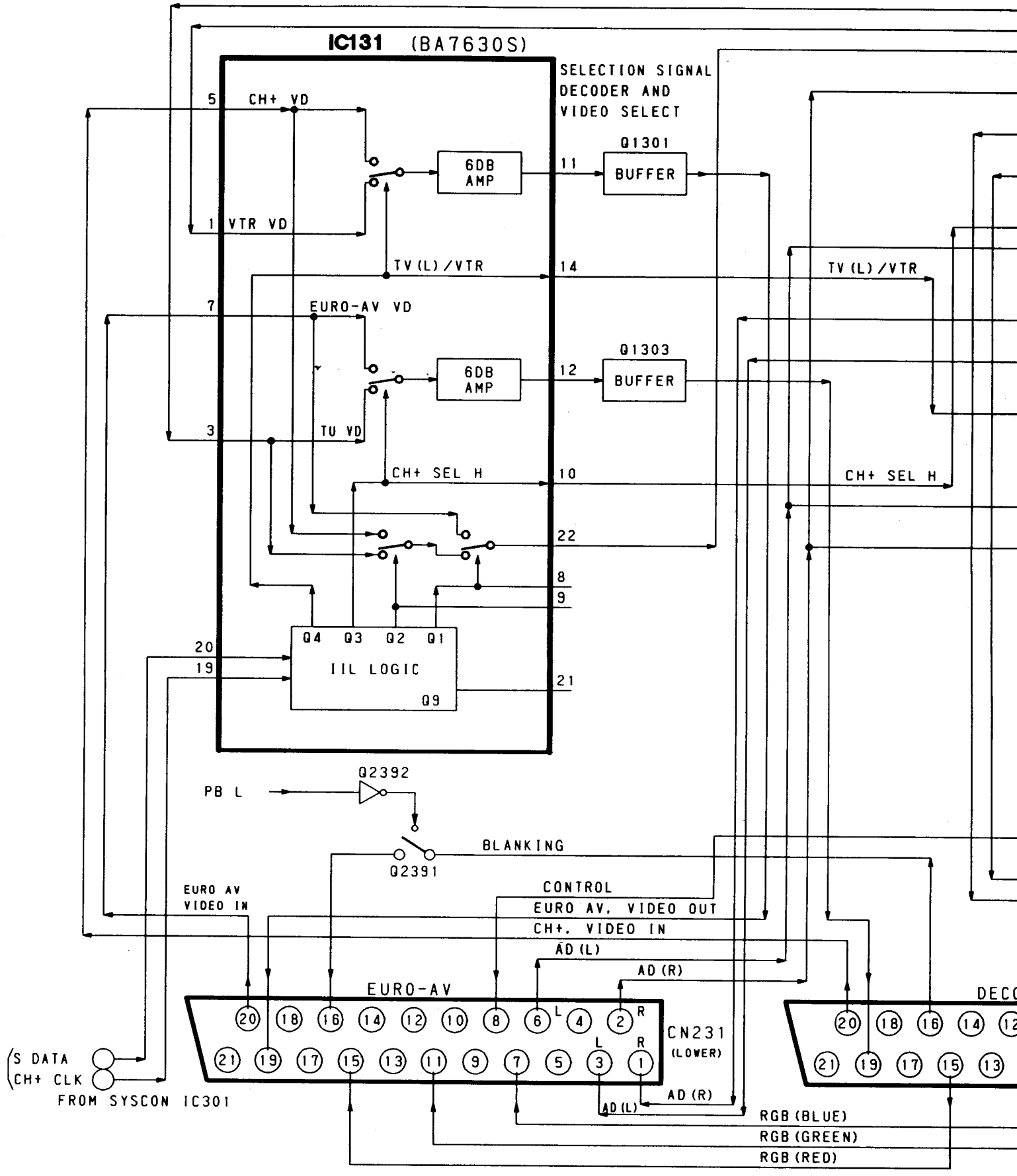
BDV1-17165/MP4H-G5


IC301 MPU
SYSTEM CONTROL, TIMER, TUNING CONTROL
*1
LC866852A
LC866744A
POWER UP
POWER CTL (TO PV-A)
NORM L (TO AD-A)
ENV DET (TO VA-A)
HIFI ENV.
ENV.
CF1
CF2
CLK1
CLK2
X3001 8.5MHZ
X3002 32.7KHZ
BACK UP 5V
BACK UP 5V (VDD)
IC303
INITIALIZE RESET
RESET
T SPEED
VISS H
MC-BR
CTL P
C-FG P
IC302
MECHANISM
LOADING MOTOR
LOADING MOTOR DRIVER
ML-S
ML-D
*2
PBL
FSS IN
CH+CLK
TO AD-A
TO VA-A
A MUTE
MECHANISM MODE SWITCH
ROTARY SW
POS SW 0
POS SW 1+2
VCA MUTE
AV CTL
TAKE-UP REEL SENSOR
T REEL S.
RF SW P
CAP P
DRUM UP
C-VS CUT
SS+DRUM SHIFT
SV.S.CLK
SV.S.DATA
TAPE TOP SENSOR
TAPE END LED
TAPE END SENSOR
T.TOP-S
T.END-S
FL START SW/ SAFTY SW
FL START SW/ ERASE PREVENTION SWITCH
ALWAYS -23V
S DATA
S CLK
*3
*4
OSD CS
VD MUTE
DMSS CLK
MTS DATA
MTS CLK
AD-5 DMSS
*2
4.43MHZ
SW0 5V
VR351
(SWITCHING POSITION)
I2C DATA
IC304
E2P ROM
DATA
CLK
*5
TM-8 (VPS)
TM-9 (VPS/PDC)
VD (VPS)
OPERATION KEY-MATRIX
KEY IN 0 ~ KEY IN 3
a ~ l (KEY SCAN)
SEG a
SEG l
A7101 (TM-1 BOARD)
DISPLAY (FLD)
SEGMENT
GRID
G1 ~ G9
HEATER+
RR711 (TM-1 BOARD)
IR REMOTE CONTROL RECEIVER
REMOCON
ALWAYS 5V
POWER DOWN
REW LED
FF LED
PLAY LED
DMSS LED
3 IN 1 TUNER (TU/IF BLOCK)
ANT
IN
AFT
IF
V.OUT
A.OUT
S CLK
S DATA
SIF IN
VIDEO OUT (TO VA-A)
Q3301
MUTE
DRIVE
Q3302
AFT S. CURVE
C SYNC
H SYNC
TU A MUTE
MTS I2C CLK
MTS I2C DATA
PLL CLK,S CLK
PLL DATA,S DATA
*6
IC632
FM DEMODULATOR
XF632
BPF
VR631 SER ADJ
TO AD-A
TU L OUT
TU R OUT
IC631
MTS DECODER
TN-3
I2C S DATA
S CLK
*7
IC681
MTS/NICAM DECODER
TN-6
Q6802
BUF
IC682~IC684
IC671
NICAM DECODER
TN-5
Q6701
*1:LC866852A···VHR-777EX, VHR-777EV&VHR-797SP
LC866744A···VHR-757G, VHR-757NL&VHR-757EX
*2:VHR-797SP
*3:VHR-777EV, VHR-777EX&VHR-797SP
*4:VD MUTE···VHR-757G, VHR-757NL&VHR-757EX
OSD CS ···VHR-777EV, VHR-777EX&VHR-797SP
*5:TM-8 (BUILT IN)···VHR-757G
TM-9 (BUILT IN)···EXCEPT VHR-757G
*6:VHR-757G, VHR-757NL&VHR-777EV
*7:VHR-757EX&VHR-777EX

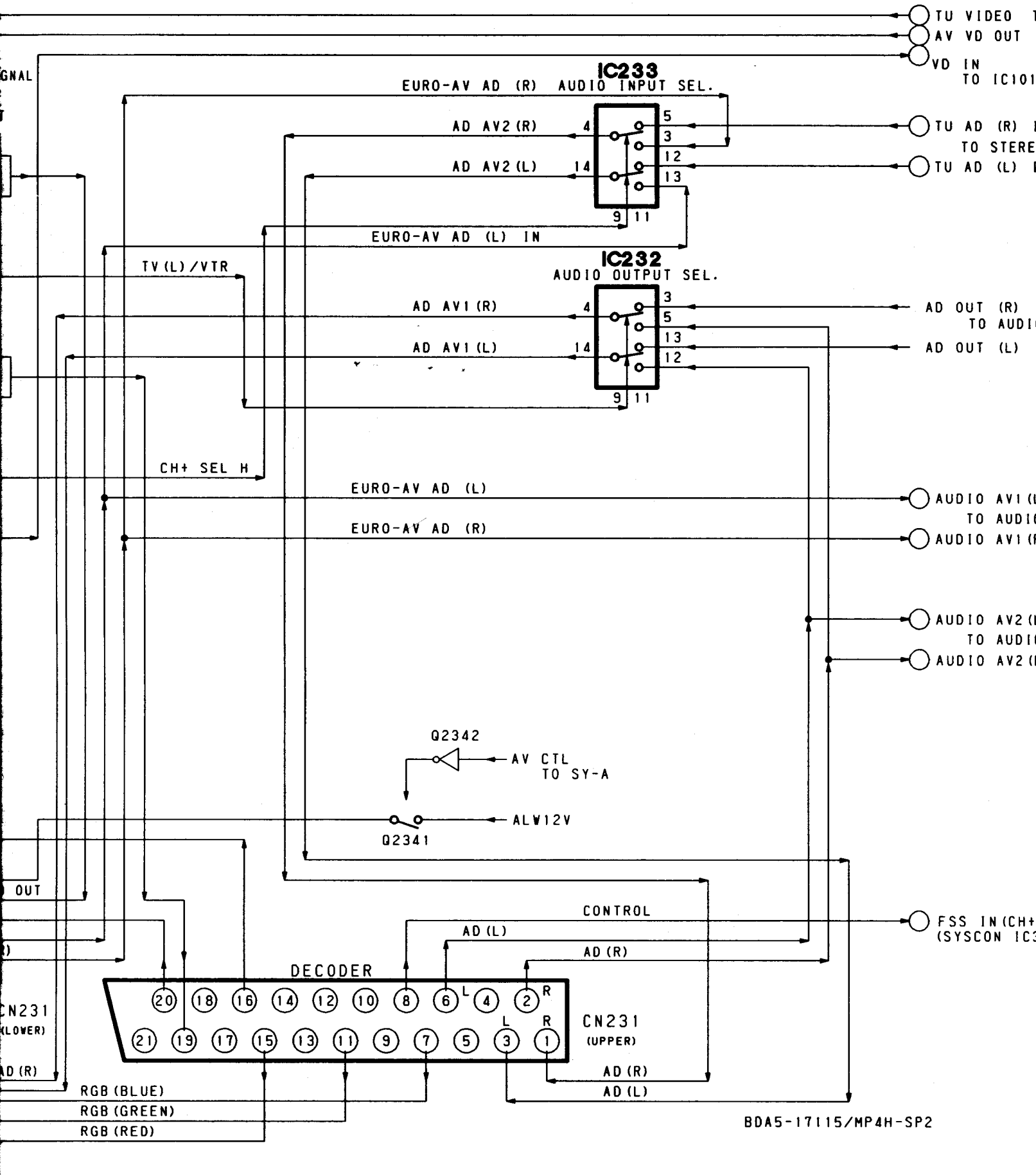
SYSTEM CONTROL & SERVO CIRCUIT



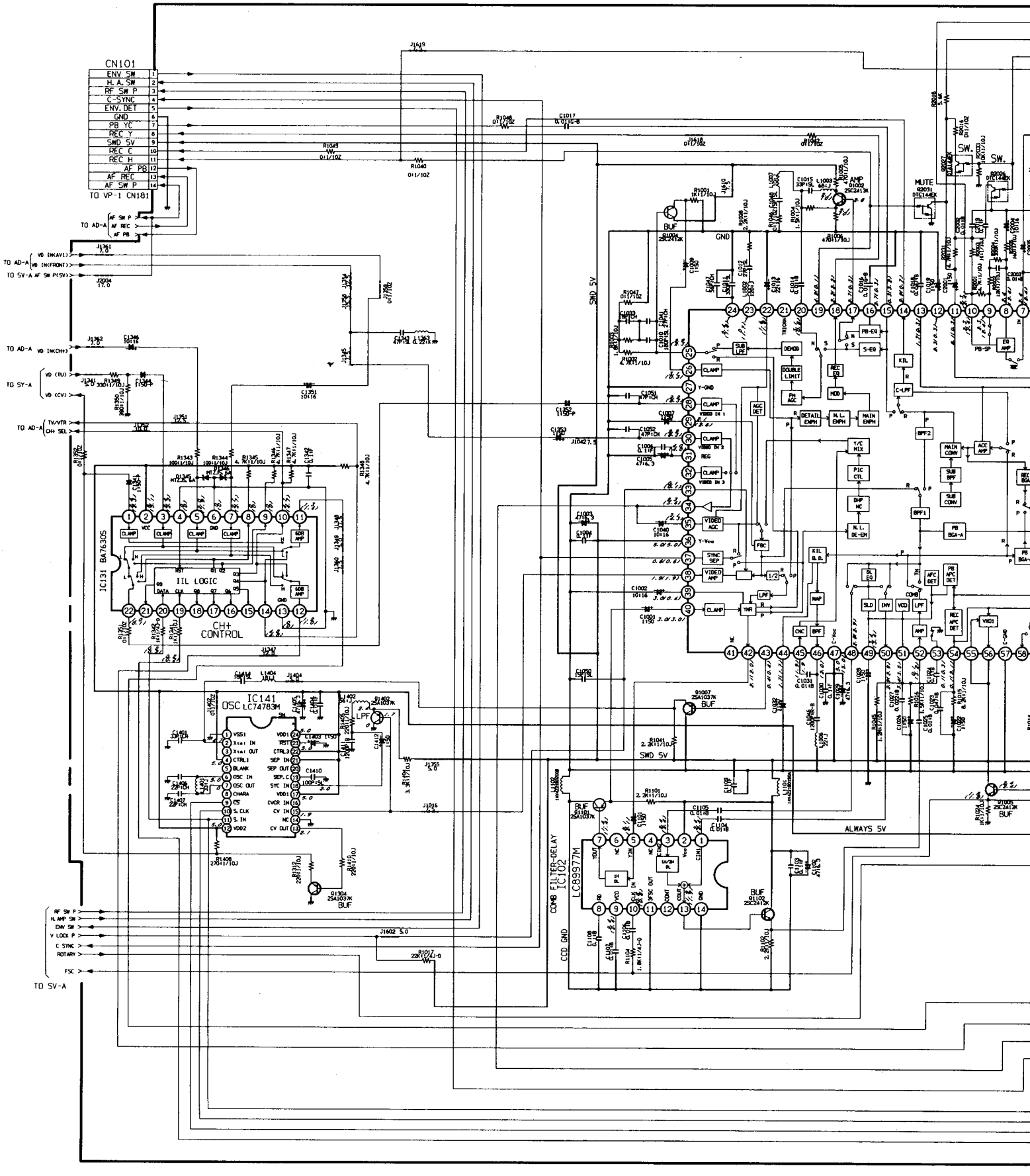

AF SW P
ROTARY
4.43MHZ
FSC IN
RF SW P
C.SYNC
V LOCK P
TO VA-A
MC-FR
MC-BR
351 DIGITAL SERVO (BU2896AK)
CTL DUTY DET.
CTL DUTY
0/1 DATA
TAPE SPEED
VDD
AMP BIAS
BIAS (FG AMP)
TAPE SPEED DET.
1/2
REC
PB
REC CTL
CTL REC AMP
REC CTL-
REC CTL+
VP DELAY
DIGITAL M.M.
F.F
SYNC DISCRIMINATION
REF-COUNTER
VP TIMING
RF SW P
A-VDD
CTL PB AMP
SWD 5V
GND (ANALOG)
A-GND
CTL AMP -
Q3553
MOTIVE IMPROVEMENT
AGC
CTL AMP
CTL AMP OUT
CTL COUNTER
CTL R
CTL F
MODE CONTROL
C-FG AMP OUT
CAPSTAN FG AMP
C-FG IN
DRUM FG AMP
D-FG IN
D-FG COUNTER
DRUM PG AMP
D-PG IN
CAPSTAN MIX AMP
CAPSTAN-MIX OUT
C-FG COUNTER
1/M
Q3554 Q3552
GAIN DOWN
Q3504
CAP MIX -
CAP MIX-
CTL DELAY
CAP MIX +
CAP MIX+
REC
ASB
TRIG
MIX OUT
C3515
Q3551, C3514
R3551, R3520
GAIN CONTROL
DRUM MIX AMP
DRUM MIX -
DRM MIX-
TRACKING DIGITAL M.M.
DRUM MIX +
DRM MIX+
MODE CONTROL
(SLOW, STILL, DRUM CTL)
SLOW+STILL
HEAD SWITCH LOGIC
ENV. SW
ENV. SW
(TO VA-A)
SS+DRUM SHIFT
L.P.F D/A CONVERTER
L.P.F D/A CONVERTER
CAP P
DRUM UP
C-VS CUT
HEAD AMP SWITCHING
(H.A SW)
TO VA-A
CTL HEAD
C-FG
CAPSTAN MOTOR
CAPSTAN-VS
MECHANISM
D-PG
D-FG
HEAD DRUM MOTOR
BDSI-17185/MP4H-G5


IC131 (BA7630S)
SELECTION SIGNAL DECODER AND VIDEO SELECT
5 CH+ VD
1 VTR VD
6DB AMP
Q1301
11
BUFFER
TV (L) /VTR
14
7 EURO-AV VD
3 TU VD
6DB AMP
Q1303
12
BUFFER
CH+ SEL H
10
22
8
9
20
19
Q4 Q3 Q2 Q1
IIL LOGIC
Q9
21
Q2392
PB L
Q2391
BLANKING
EURO AV VIDEO IN
CONTROL
EURO AV. VIDEO OUT
CH+. VIDEO IN
AD (L)
AD (R)
EURO-AV
CN231 (LOWER)
S DATA
CH+ CLK
FROM SYSCON IC301
RGB (BLUE)
RGB (GREEN)
RGB (RED)

TERMINAL & INPUT / OUTPUT SELECTOR CIRCUIT(VHR-797SP ONLY)

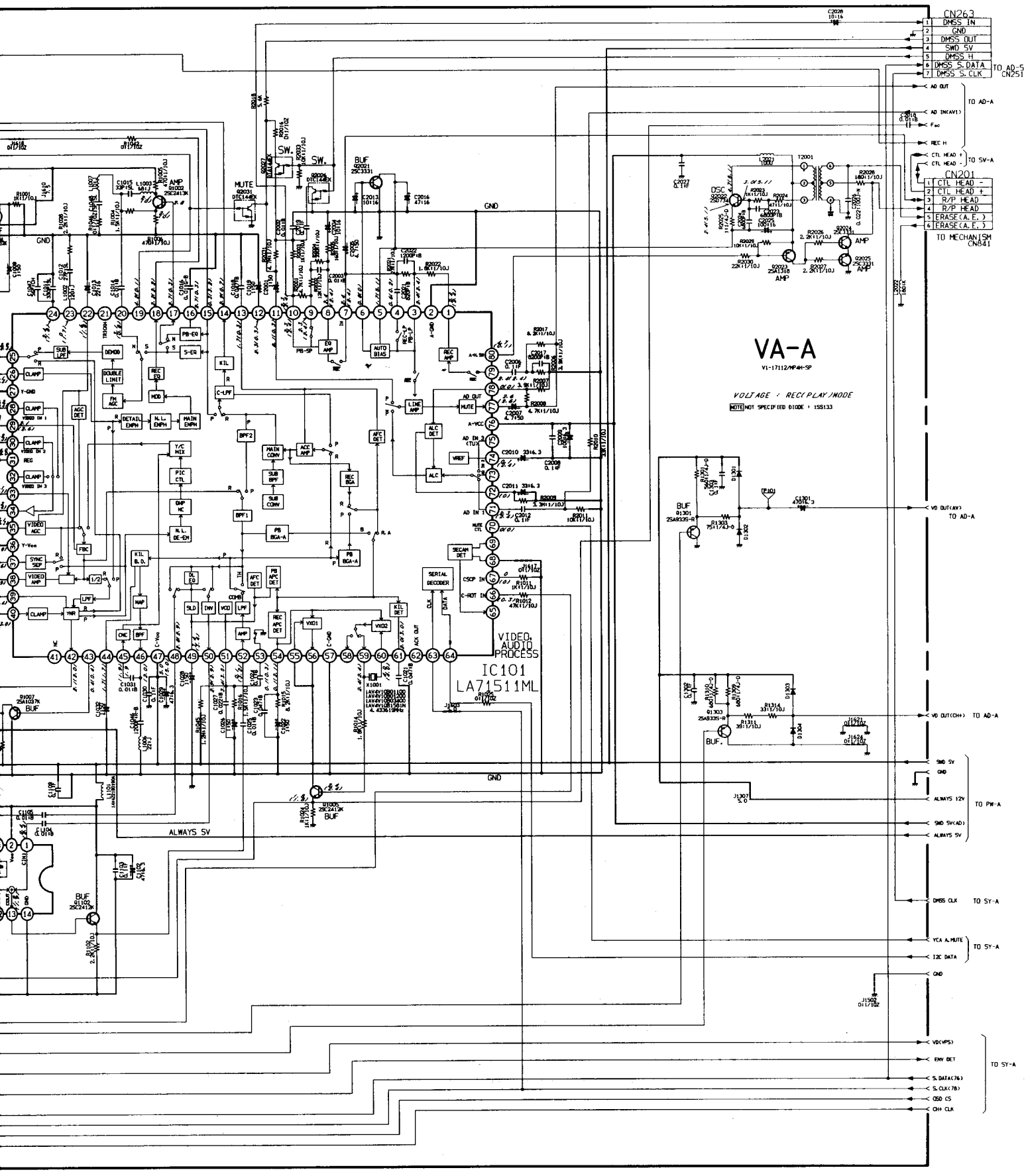


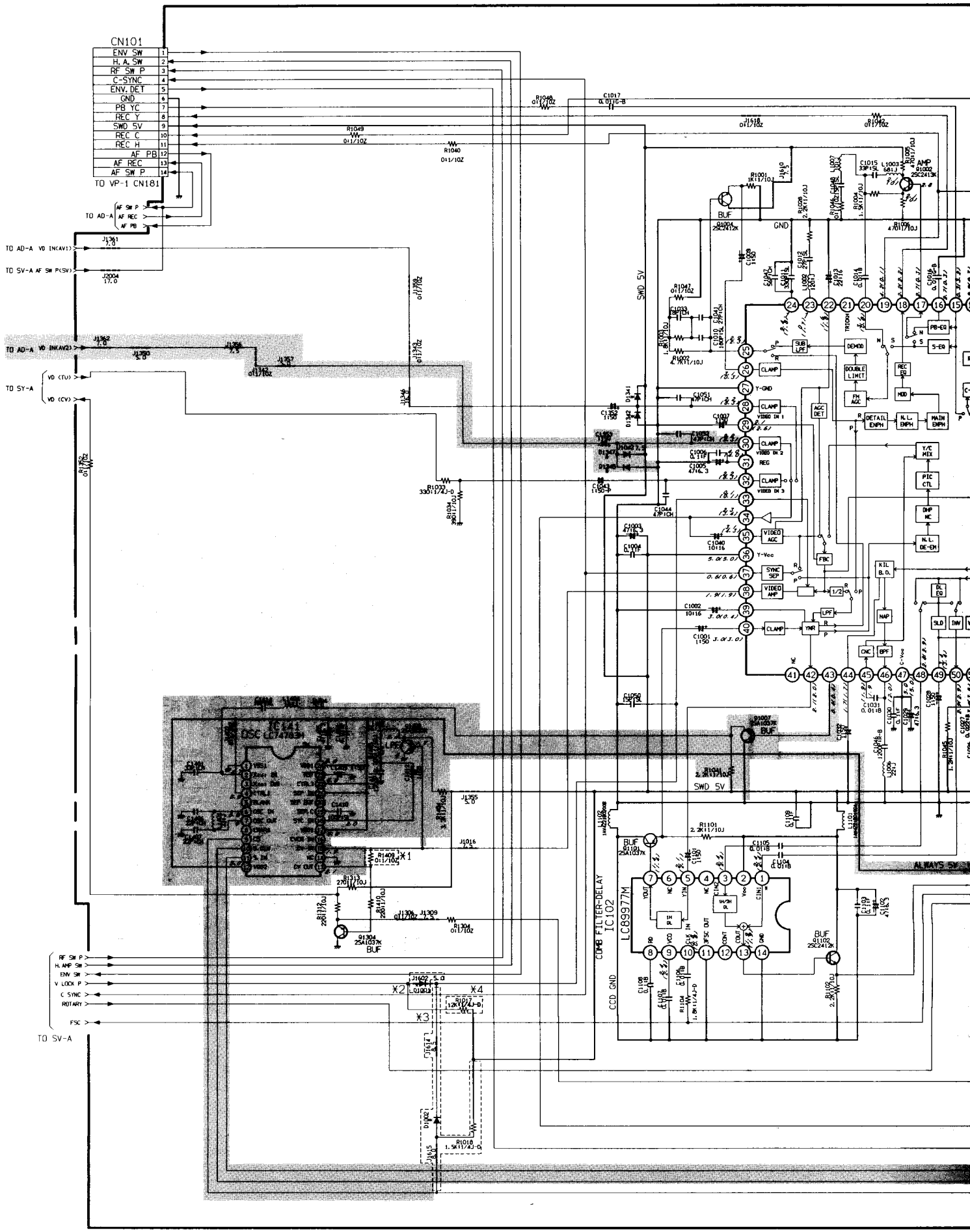
CP-1 BOARD (VA-A) VIDEO & AUDIO (VHR-

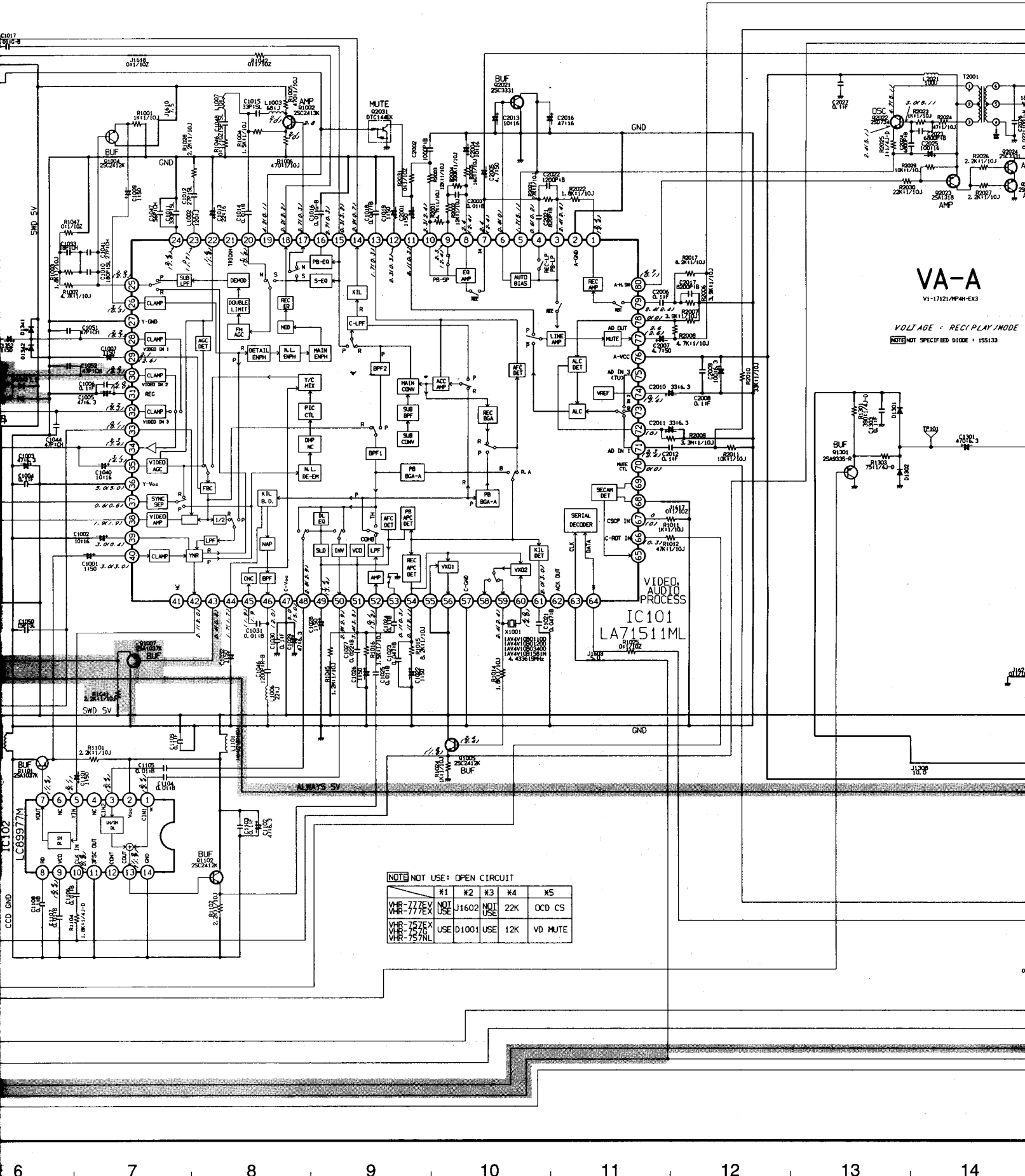


5 6 7 8 9 10 11 12

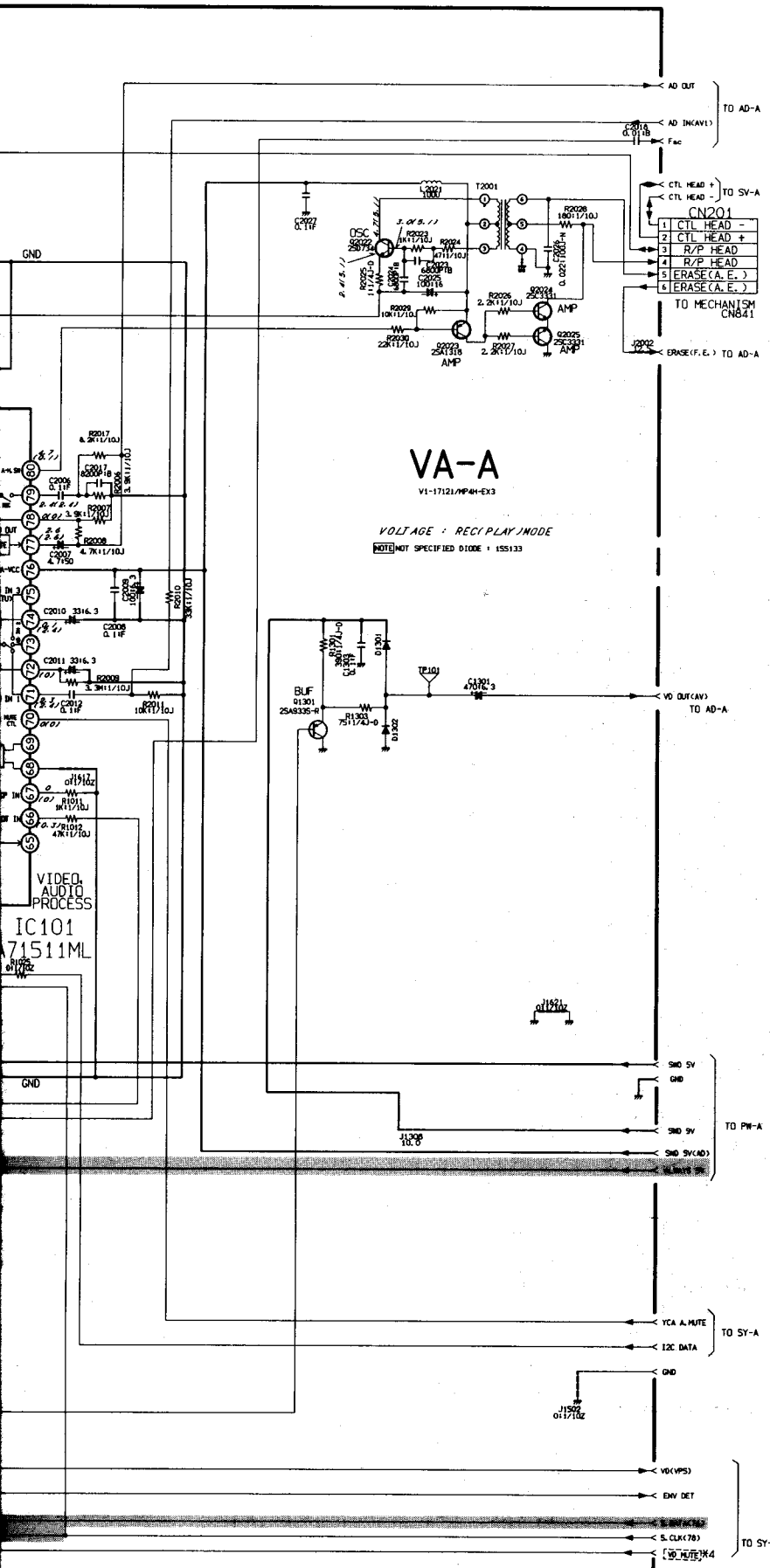
BOARD (VA-A) VIDEO & AUDIO (VHR-797SP ONLY)




CN101
ENV SW
H. A. SW
RF SW P
C-SYNC
ENV. DET
GND
PB YC
REC Y
SWD 5V
REC C
REC H
AF PB
AF REC
AF SW P
TO VP-1 CN181
TO AD-A
TO SV-A
TO SY-A
SWD 5V
GND
BUF
AMP
IC141
OSC LC74783M
IC102
LC89977M
COMB FILTER-DELAY
CCD GND
ALWAYS 5V
RF SW P
H. AMP SW
ENV SW
V LOCK P
C SYNC
ROTARY
FSC
TO SV-A



	※1	※2	※3	※4	※5
VHR-777EV VHR-777EX	NOT USE	J1602	NOT USE	22K	OCD CS
VHR-757EX VHR-757G VHR-757NL	USE	D1001	USE	12K	VD MUTE



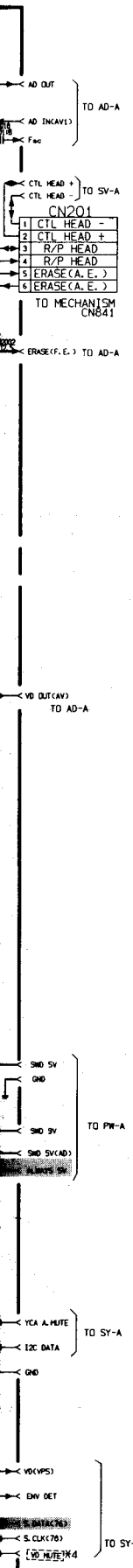
VIDEO CIRCUIT WAVEFORMS

TEST LOCATION	WAVE FORM
IC101 PIN14 REC 0.4Vp-p (REC C)	
IC101 PIN15 PLAY 0.25Vp-p (PB Y, C)	
IC101 PIN18 REC 0.2Vp-p (REC Y)	
IC101 PIN25, 26 REC, PLAY 0.5Vp-p	
IC101 PIN28 REC 1Vp-p (VIDEO IN)	

NOTES:

——— : Common parts for VHR-757G,VHR-757EX,VHR-777EV,VHR-777EX

The parts marked ▓▓ are VHR-777EV & VHR-777EX.



VIDEO CIRCUIT WAVEFORMS

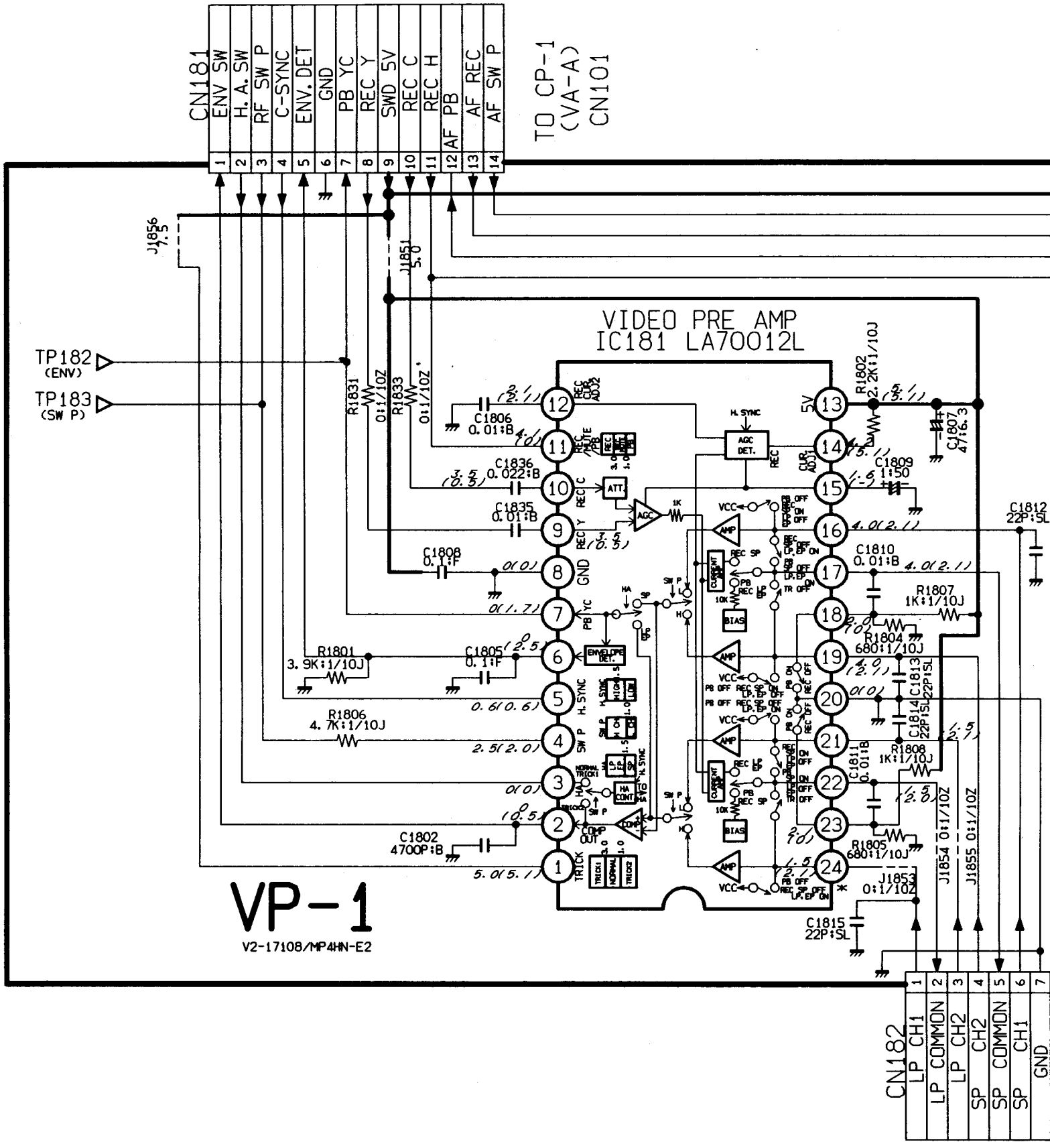
TEST LOCATION	WAVE FORM	TEST LOCATION	WAVE FORM
IC101 PIN14 REC 0.4Vp-p (REC C)		IC101 PIN37 REC, PLAY 4Vp-p (C SYNC)	
IC101 PIN15 PLAY 0.25Vp-p (PB Y, C)		IC101 PIN38 REC, PLAY 2Vp-p (VIDEO OUT)	
IC101 PIN18 REC 0.2Vp-p (REC Y)		IC101 PIN40, 42 REC, PLAY 0.35Vp-p	
IC101 PIN25, 26 REC, PLAY 0.5Vp-p		IC101 PIN45, 46 PLAY 0.4Vp-p	
IC101 PIN28 REC 1Vp-p (VIDEO IN)		IC101 PIN48, 50, 52 REC, PLAY 0.25Vp-p	

WF-V-PG2ZK

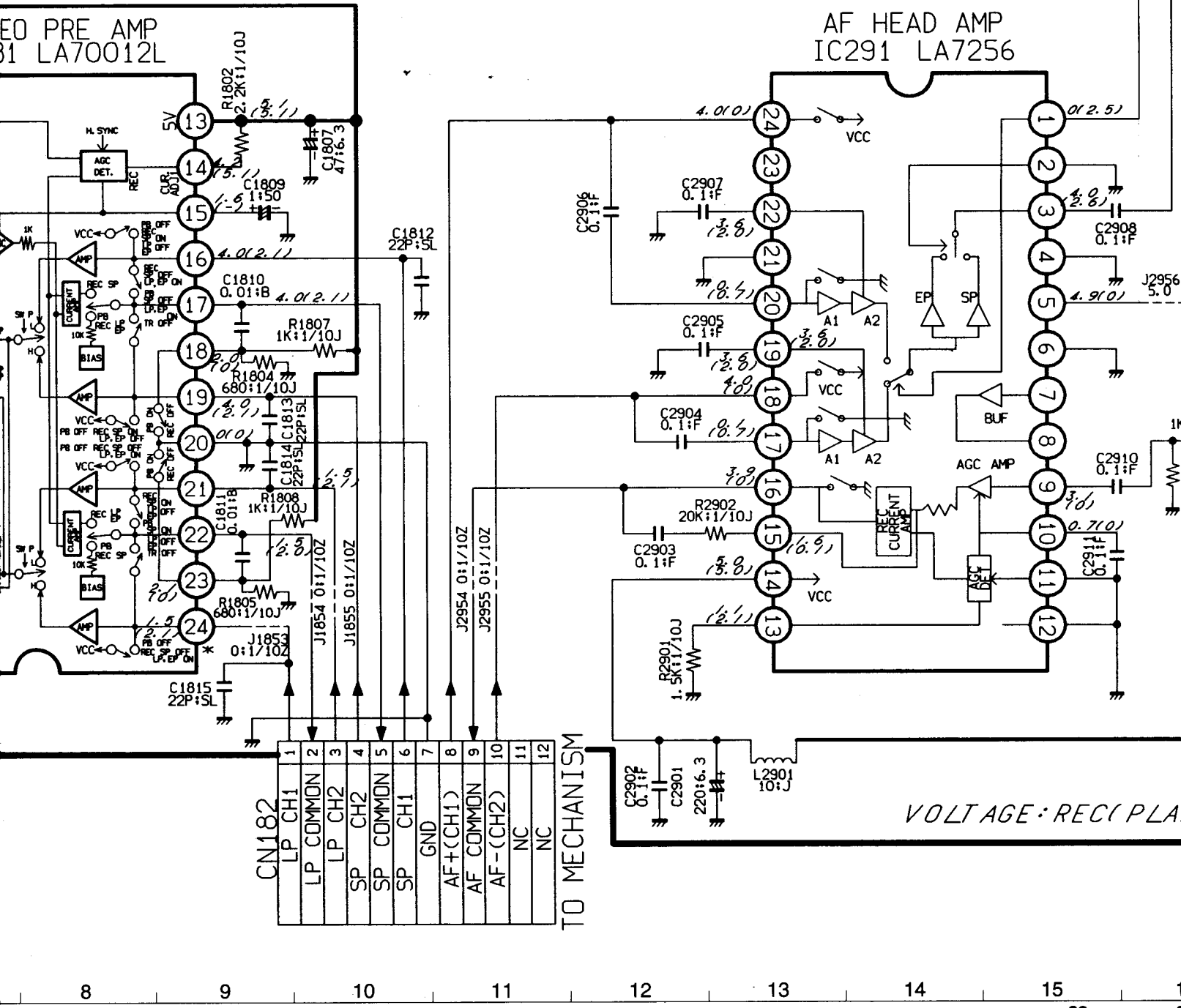
NOTES:

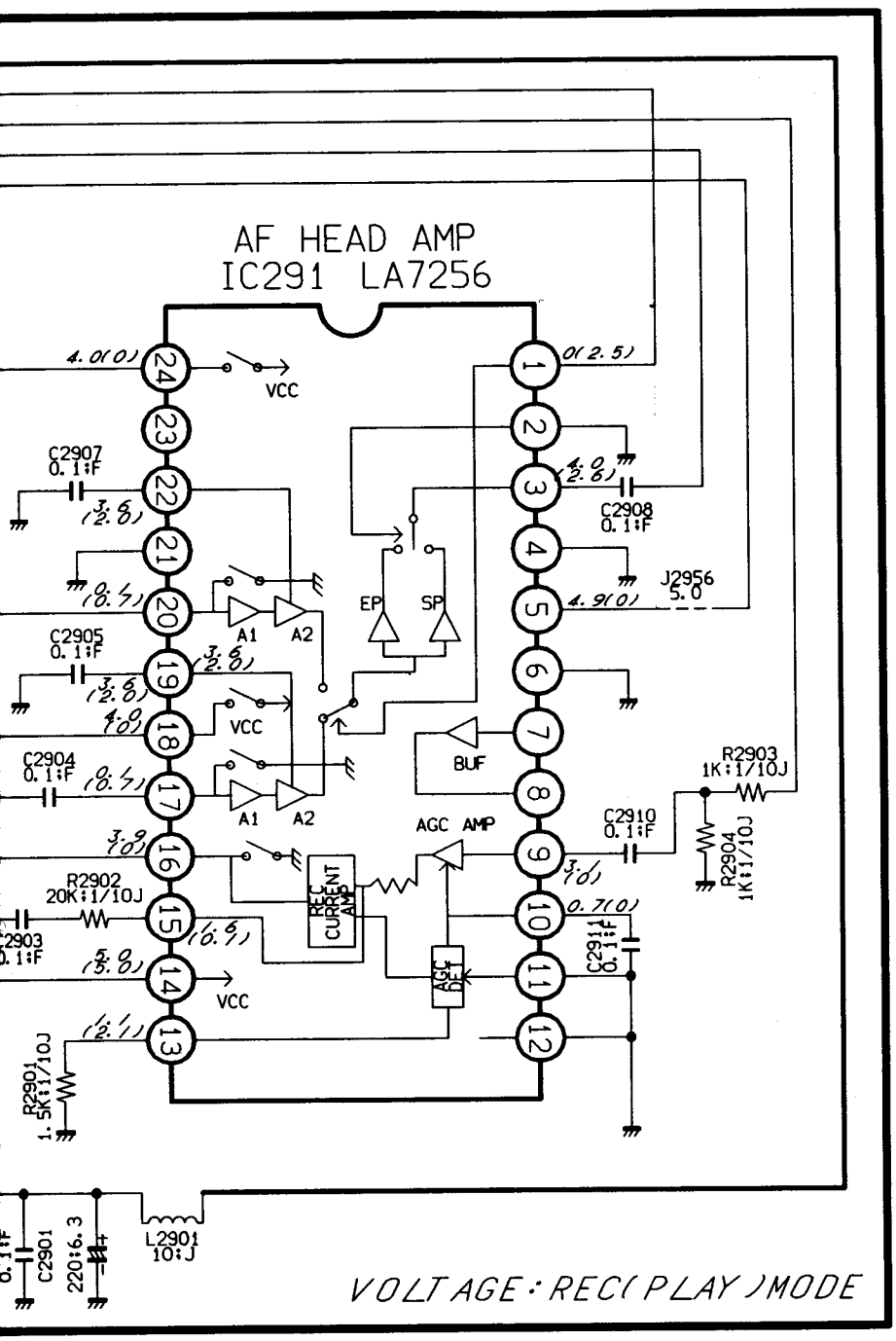
——— : Common parts for VHR-757G,VHR-757EX,VHR-777EV,VHR-777EX

The parts marked ▒▒ are VHR-777EV & VHR-777EX.

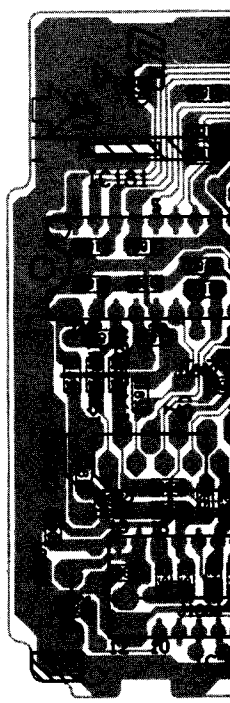

CN181
ENV SW
H.A.SW
RF SW P
C-SYNC
ENV.DET
GND
PB YC
REC Y
SWD 5V
REC C
REC H
AF PB
AF REC
AF SW P
TO CP-1
(VA-A)
CN101
VIDEO PRE AMP
IC181 LA70012L
TP182
(ENV)
TP183
(SW P)
VP-1
V2-17108/MP4HN-E2
CN182
LP CH1
LP COMMON
LP CH2
SP CH2
SP COMMON
SP CH1
GND

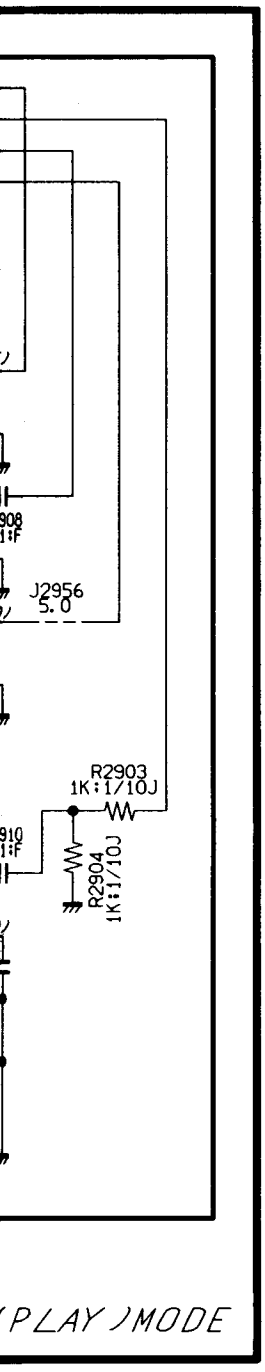
VP-1 BOARD VIDEO PRE-AMP



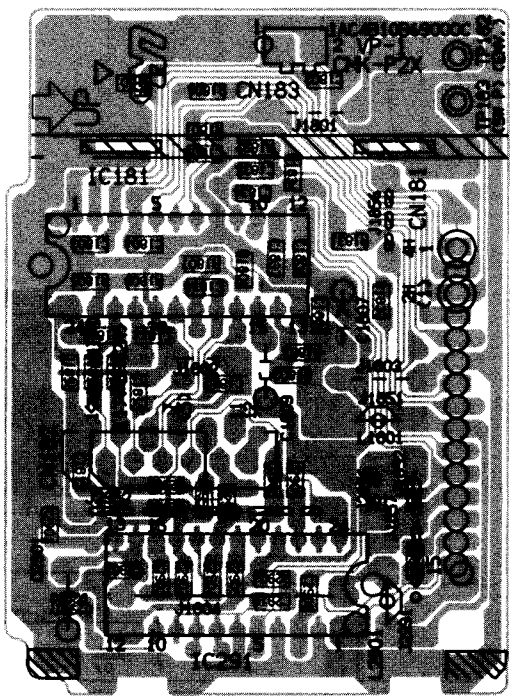

AF HEAD AMP
IC291 LA7256
VCC
EP
SP
A1
A2
BUF
AGC AMP
REC CURRENT AMP
AGC DET
J2956
5.0
C2907 0.1μF
C2908 0.1μF
C2905 0.1μF
C2904 0.1μF
C2910 0.1μF
C2911 0.1μF
R2902 20K±1/10J
R2903 1K±1/10J
R2904 1K±1/10J
R2901 1.5K±1/10J
C2901 220±6.3
L2901 10μJ
VOLTAGE: REC(PLAY)MODE

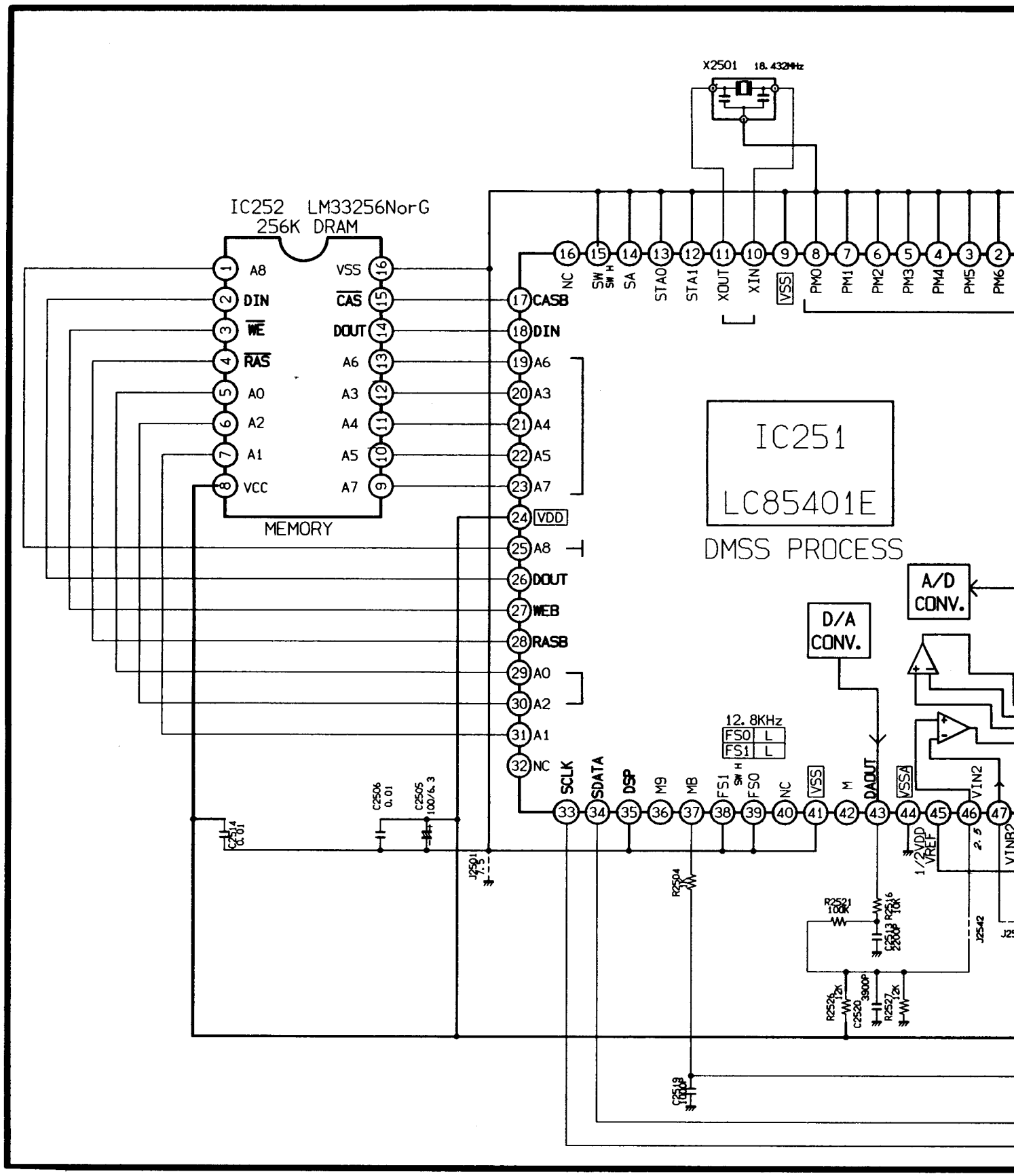
VP-1

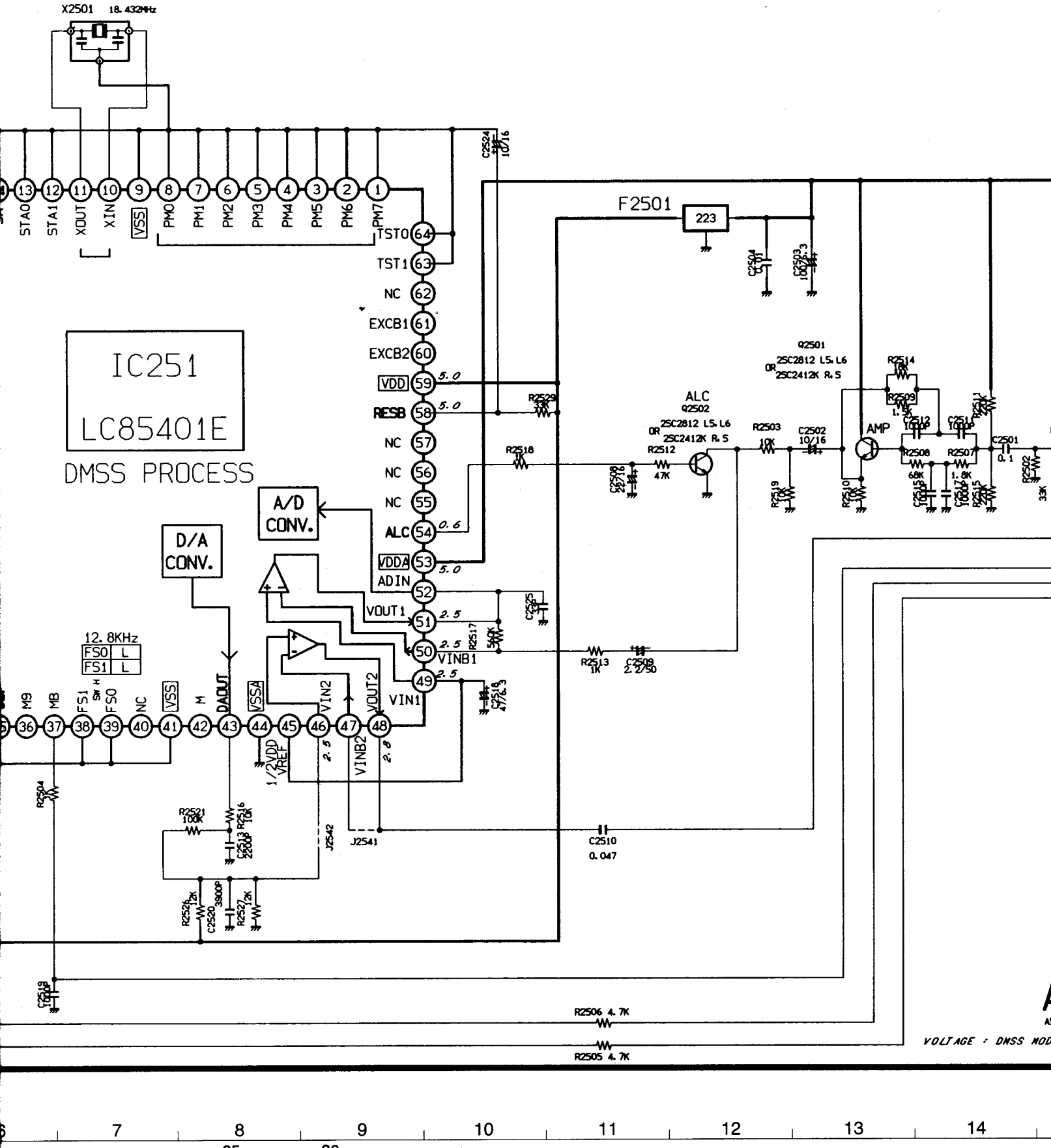


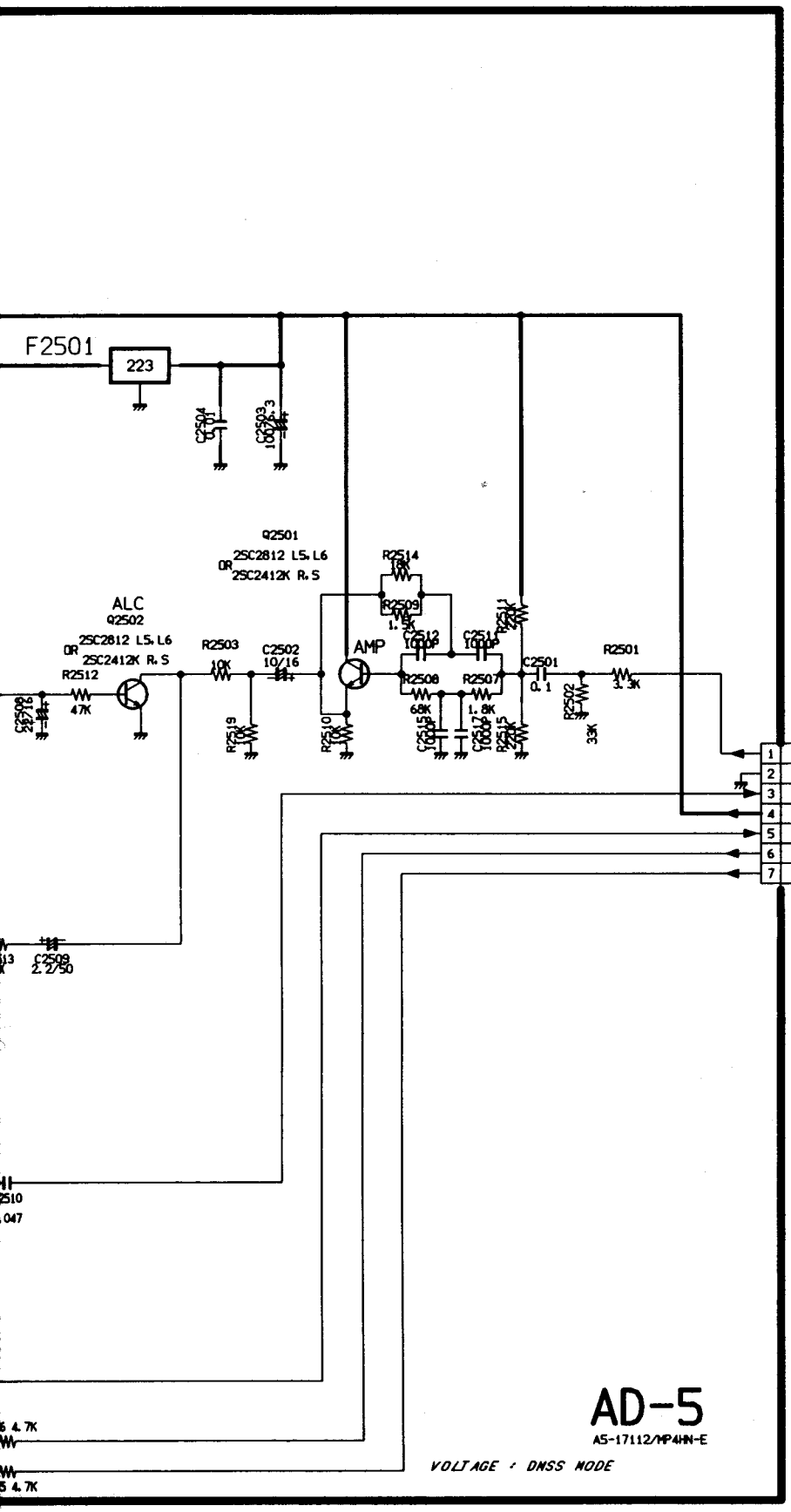

J2956
5.0
R2903
1K:1/10J
R2904
1K:1/10J
PLAY MODE

VP-1 P.W.B.

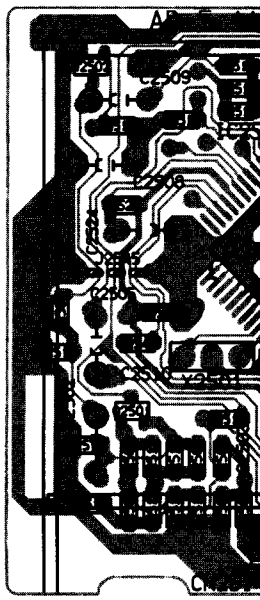

VP-1
CN-P2X
CN183
J1801
IC181
CN184

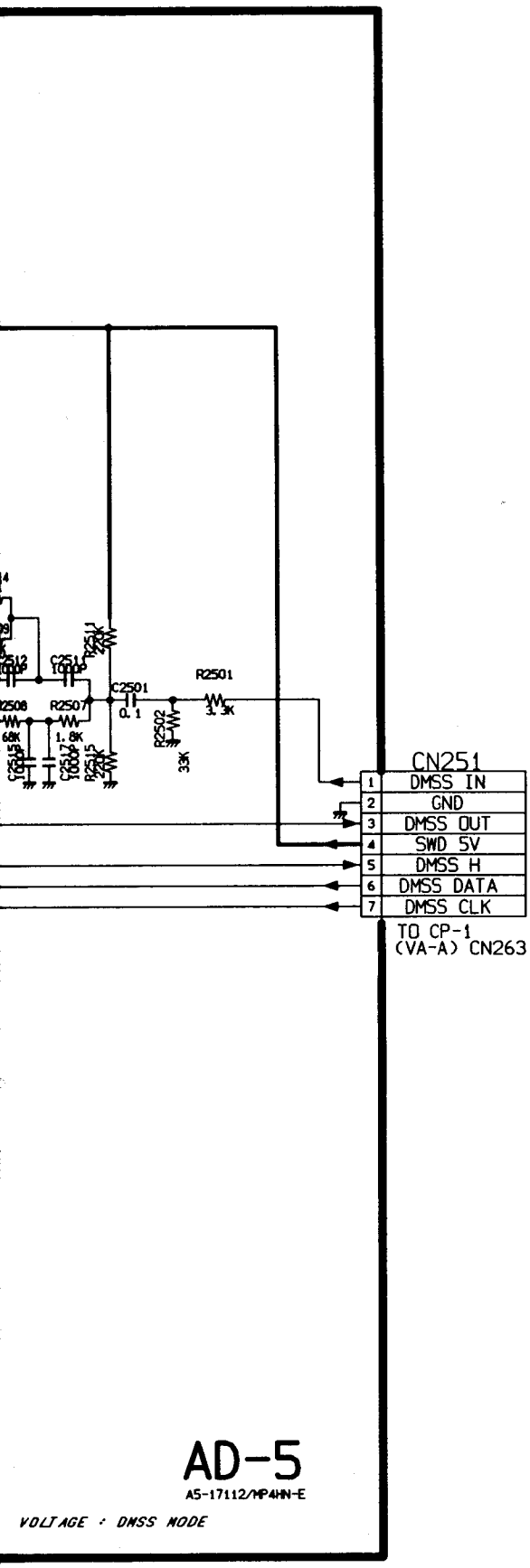

X2501 18.432MHz
IC252 LM33256NorG
256K DRAM
MEMORY
IC251
LC85401E
DMSS PROCESS
A/D CONV.
D/A CONV.
12.8KHz
FS0 L
FS1 L
SCLK
SDATA
DSP
DOUT
VSS
VSSA
VDD
VREF
1/2
2.5
VIN2
A8
DIN
WE
RAS
A0
A2
A1
VCC
VSS
CAS
DOUT
A6
A3
A4
A5
A7
CASB
DIN
WEB
RASB
NC
SA
STA0
STA1
XOUT
XIN
PM0
PM1
PM2
PM3
PM4
PM5
PM6
M9
MB
FS1
FS0
M


X2501 18.432MHz
IC251
LC85401E
DMSS PROCESS
A/D CONV.
D/A CONV.
F2501
223
Q2501
2SC2812 L5, L6
OR
2SC2412K R, S
Q2502
2SC2812 L5, L6
OR
2SC2412K R, S
ALC
AMP
12.8KHz
FS0 L
FS1 L
STA0
STA1
XOUT
XIN
VSS
PM0
PM1
PM2
PM3
PM4
PM5
PM6
PM7
TST0
TST1
NC
EXCB1
EXCB2
VDD
RESB
NC
NC
NC
ALC
VDDA
ADIN
VOUT1
VINB1
VIN1
VIN2
VOUT2
VINB2
1/2VDD VREF
VSSA
DAOUT
FS0
FS1
M9
MB
J2541
J2542
C2510 0.047
R2506 4.7K
R2505 4.7K
VOLTAGE : DMSS MOD

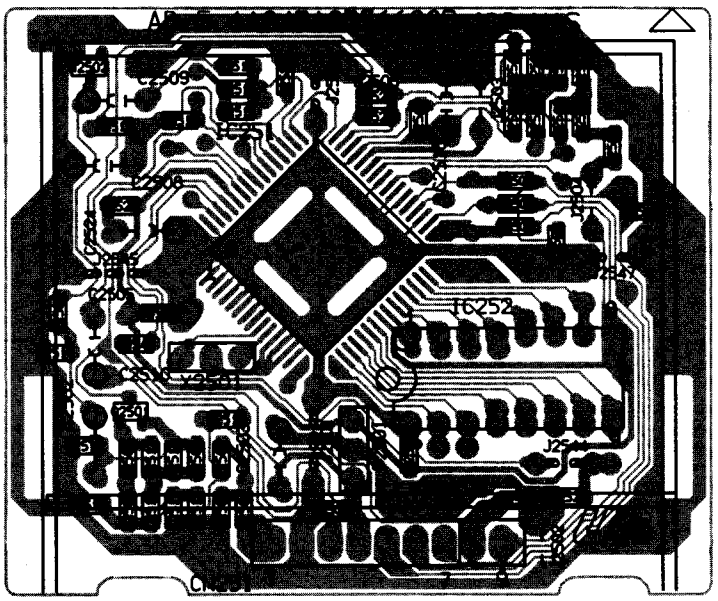

F2501
223
Q2501
2SC2812 L5, L6
OR
2SC2412K R, S
R2514
R2509
1.5K
ALC
Q2502
2SC2812 L5, L6
OR
2SC2412K R, S
R2512
47K
R2503
10K
C2502
10/16
AMP
C2512
100P
C2511
100P
R2508
68K
R2507
1.8K
C2501
0.1
R2501
3.3K
R2502
33K
R2519
100K
R2510
100K
C2515
100P
C2517
100P
R2515
100K
C2509
2.2/50
CN251
1 DMSS IN
2 GND
3 DMSS OUT
4 SWD 5V
5 DMSS H
6 DMSS DATA
7 DMSS CLK
TO CP-1
(VA-A) CN263
AD-5
A5-17112/MP4HN-E
VOLTAGE : DMSS MODE

AD-5 P.W.B

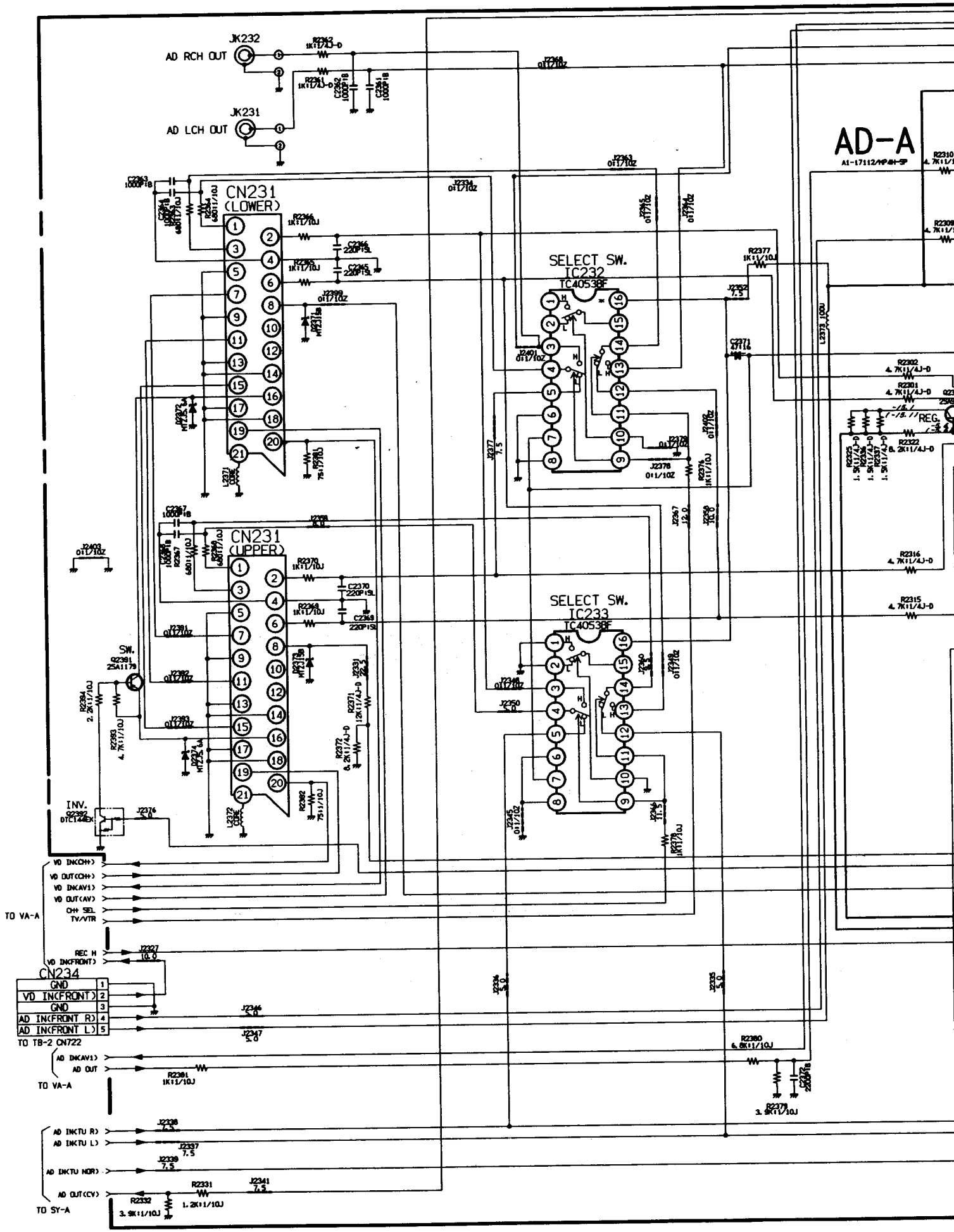


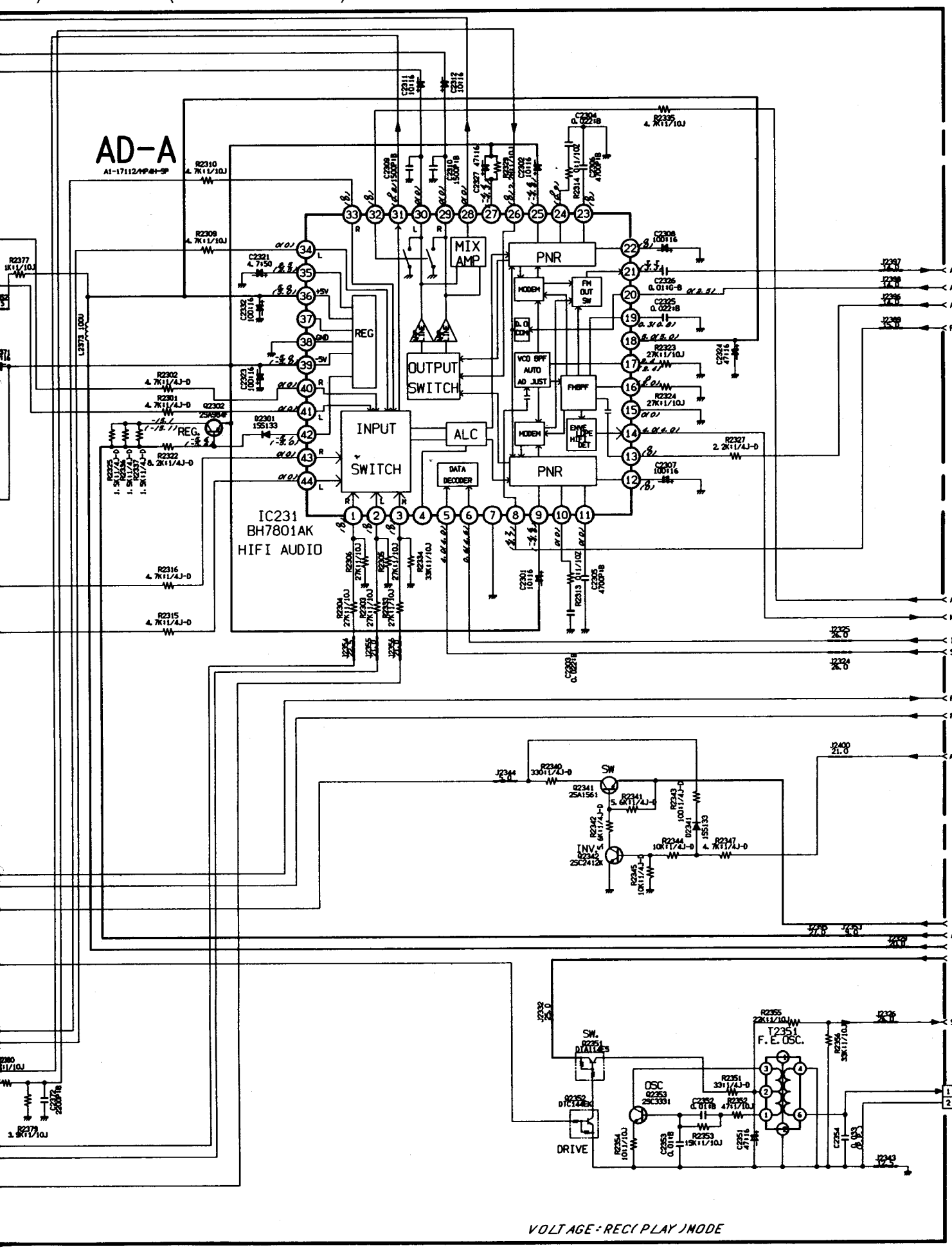


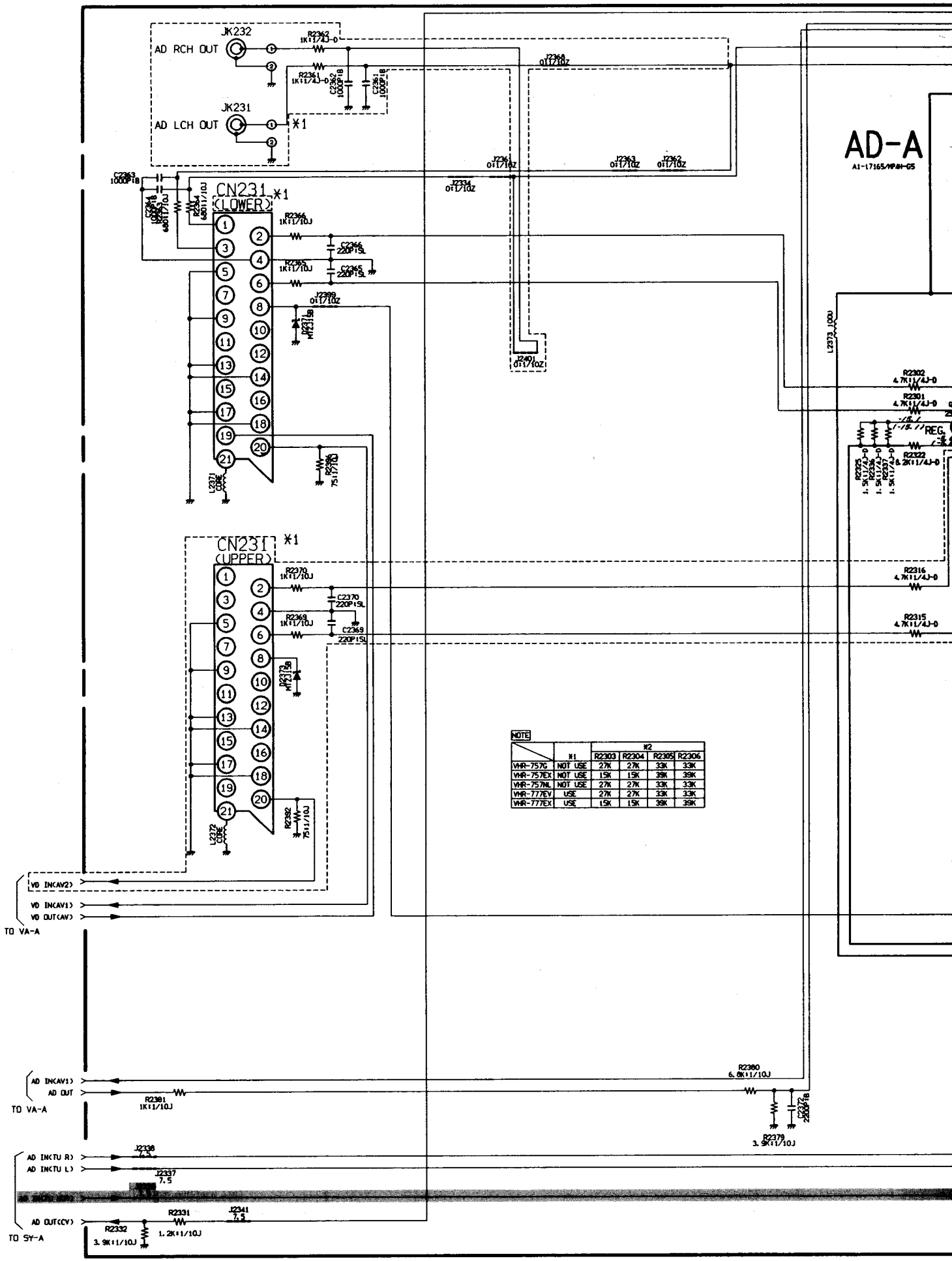
AD-5 P.W.B. (VHR-797SP ONLY)



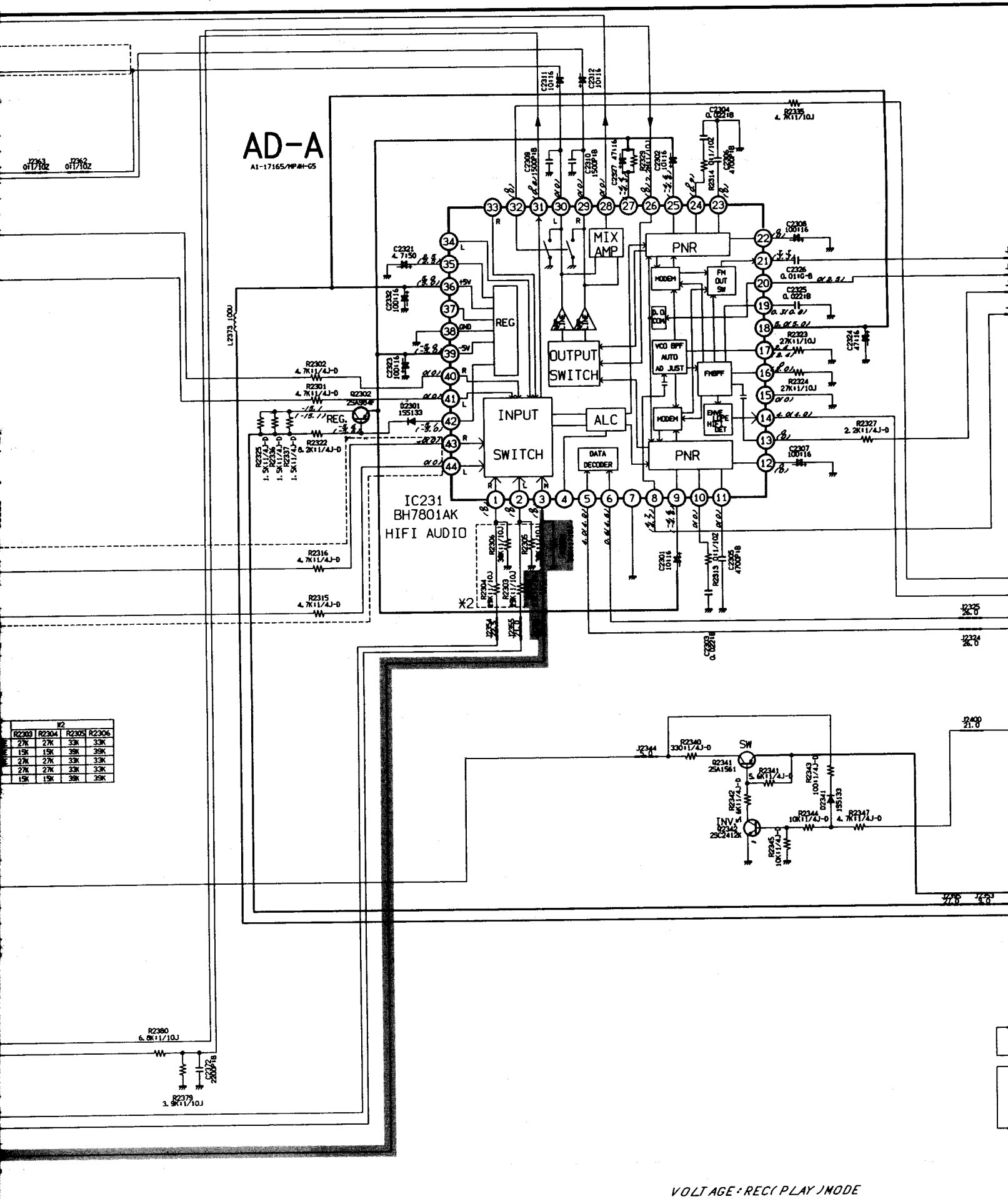
14 15 16 17 18 19 20 21 22


AD-A
JK232
AD RCH OUT
JK231
AD LCH OUT
CN231
(LOWER)
CN231
(UPPER)
SELECT SW.
IC232
TC4053BF
SELECT SW.
IC233
TC4053BF
SW.
INV.
VD IN(CH+)
VD OUT(CH+)
VD IN(AV1)
VD OUT(AV)
CH+ SEL
TV/VTR
TO VA-A
REC H
VD IN(FRONT)
CN234
GND
VD IN(FRONT)
GND
AD IN(FRONT R)
AD IN(FRONT L)
TO TB-2 CN722
AD IN(AV1)
AD OUT
TO VA-A
AD IN(TU R)
AD IN(TU L)
AD IN(TU NOR)
AD OUT(CV)
TO SY-A
REG.

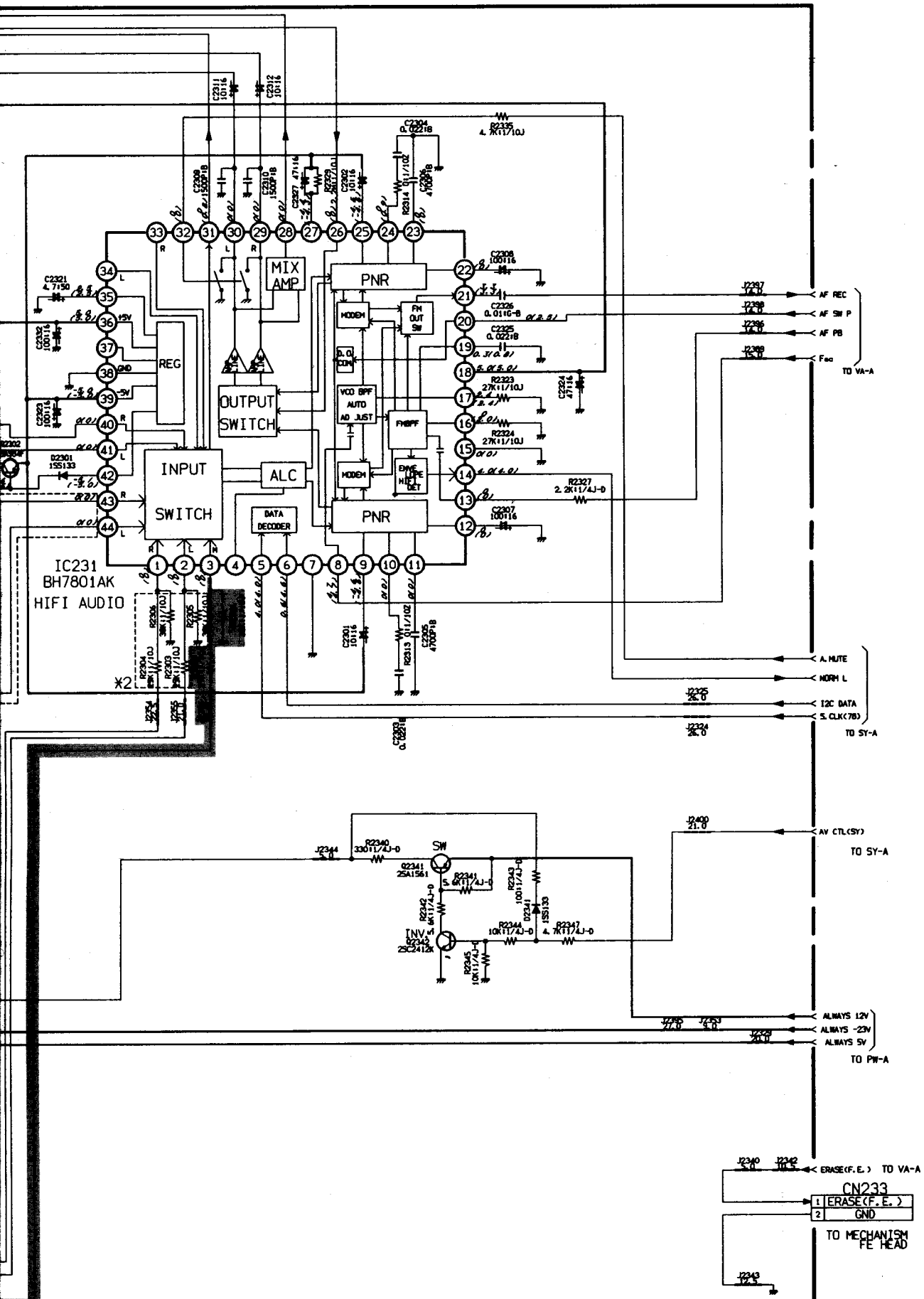

AD-A
A1-17112/HP4H-SP
IC231
BH7801AK
HIFI AUDIO
INPUT SWITCH
OUTPUT SWITCH
MIX AMP
PNR
ALC
REG
DATA DECODER
AF REC
AF SW P
AF PB
Fsc
TO VA-A
A. MUTE
NORM L
I2C DATA
S. CLK(78)
TO SY-A
FSS IN
PB L
AV CTL(SY)
TO SY-A
ALWAYS 12V
ALWAYS -23V
ALWAYS 5V
SWD 9V
TO PW-A
SHORT TEST
TO SY-
F. E. OSC.
CN233
ERASE(F. E.)
GND
TO MECHANISM FE HEAD
DRIVE
OSC
VOLTAGE : REC(PLAY)MODE



		*2			
	*1	R2303	R2304	R2305	R2306
VHR-757G	NOT USE	27K	27K	33K	33K
VHR-757EX	NOT USE	15K	15K	39K	39K
VHR-757ML	NOT USE	27K	27K	33K	33K
VHR-777EV	USE	27K	27K	33K	33K
VHR-777EX	USE	15K	15K	39K	39K


AD-A
A1-17165/MP4H-G5
IC231
BH7801AK
HIFI AUDIO
INPUT SWITCH
OUTPUT SWITCH
MIX AMP
PNR
ALC
REG.
DATA DECODER
MODEM
VCO DIFF AUTO AD JUST
FMDFF
SW
INV.
VOLTAGE : REC(PLAY) MODE

DIO (EXCEPT VHR-797SP)



VOLTAGE : REC(PLAY)MODE

NOTES:

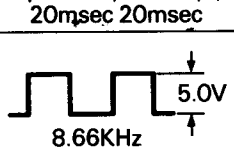
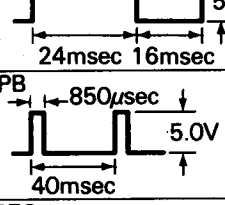
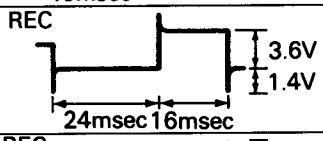
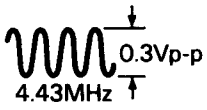
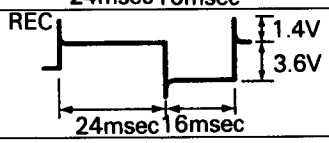
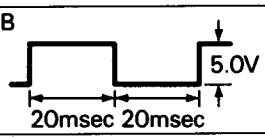
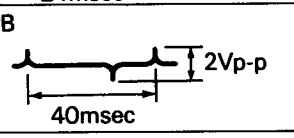
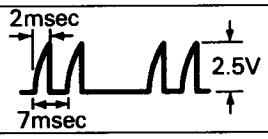
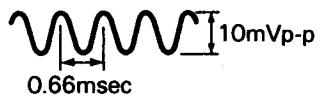
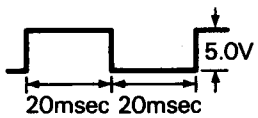
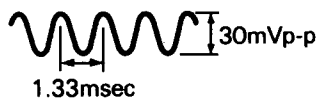
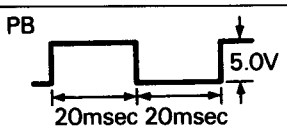
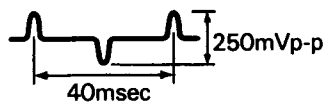
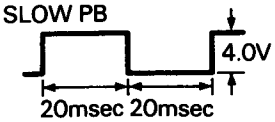
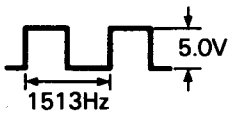
——— : Common parts for VHR-757G,VHR-

The parts marked ■ are VHR-757EX &

9 10 11 12 13 14 15 16 17

2–

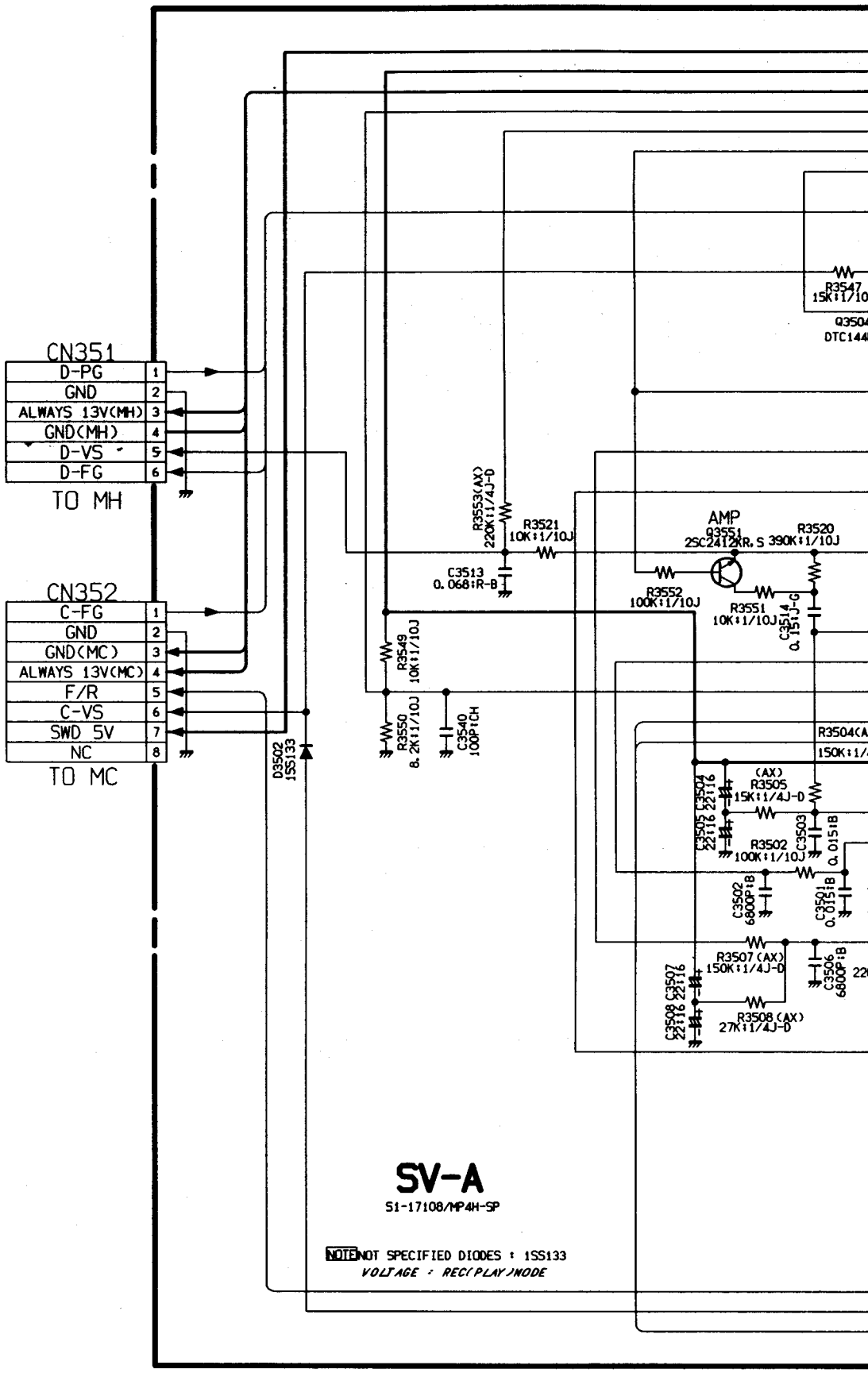
SERVO CIRCUIT WAVEFORMS

TEST LOCATION	WAVEFORM & MODE/LEVEL	TEST LOCATION	WAVEFORM & MODE/LEVEL
Pin 40 (H.A.SWITCHING)		Pin 15 (CTL PULSE)	
Pin 42 (PWM)		Pin 15 (CTL PULSE)	
Pin 41, 44, 1 (PWM)		Pin 21 (CTL HEAD–)	
Pin 3 (FSC INPUT)		Pin 22 (CTL HEAD+)	
Pin 5 (ROTARY)		Pin 26 (CTL AMP OUT)	
Pin 8 (D-PG MM)		Pin 28 (C-FG INPUT)	
Pin 9 (RF SW PULSE)		Pin 29 (D-FG INPUT)	
Pin 10 (AF SW PULSE)		Pin 30 (D-PG INPUT)	
Pin 11 (COMPOSITE SYNC INPUT)		Pin 38 (ENV.SW INPUT)	
Pin 14 (C-FG PULSE)			

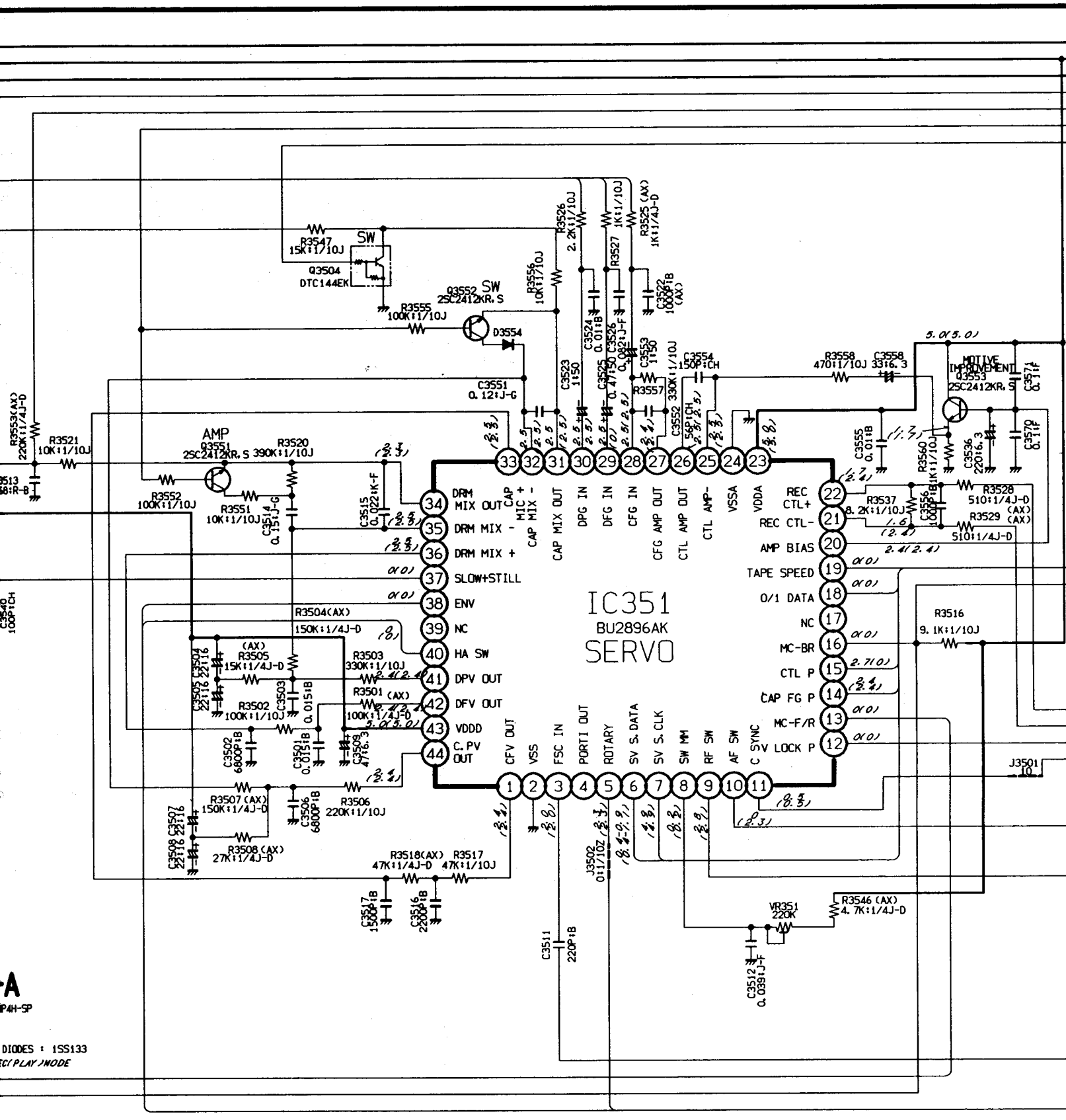
WF-S-TP4

	WAVEFORM & MODE/LEVEL
	REC 5.0V 24msec 16msec
	PB 850μsec 5.0V 40msec
	REC 3.6V 1.4V 24msec 16msec
	REC 1.4V 3.6V 24msec 16msec
	PB 2Vp-p 40msec
	10mVp-p 0.66msec
	30mVp-p 1.33msec
	250mVp-p 40msec
	SLOW PB 4.0V 20msec 20msec

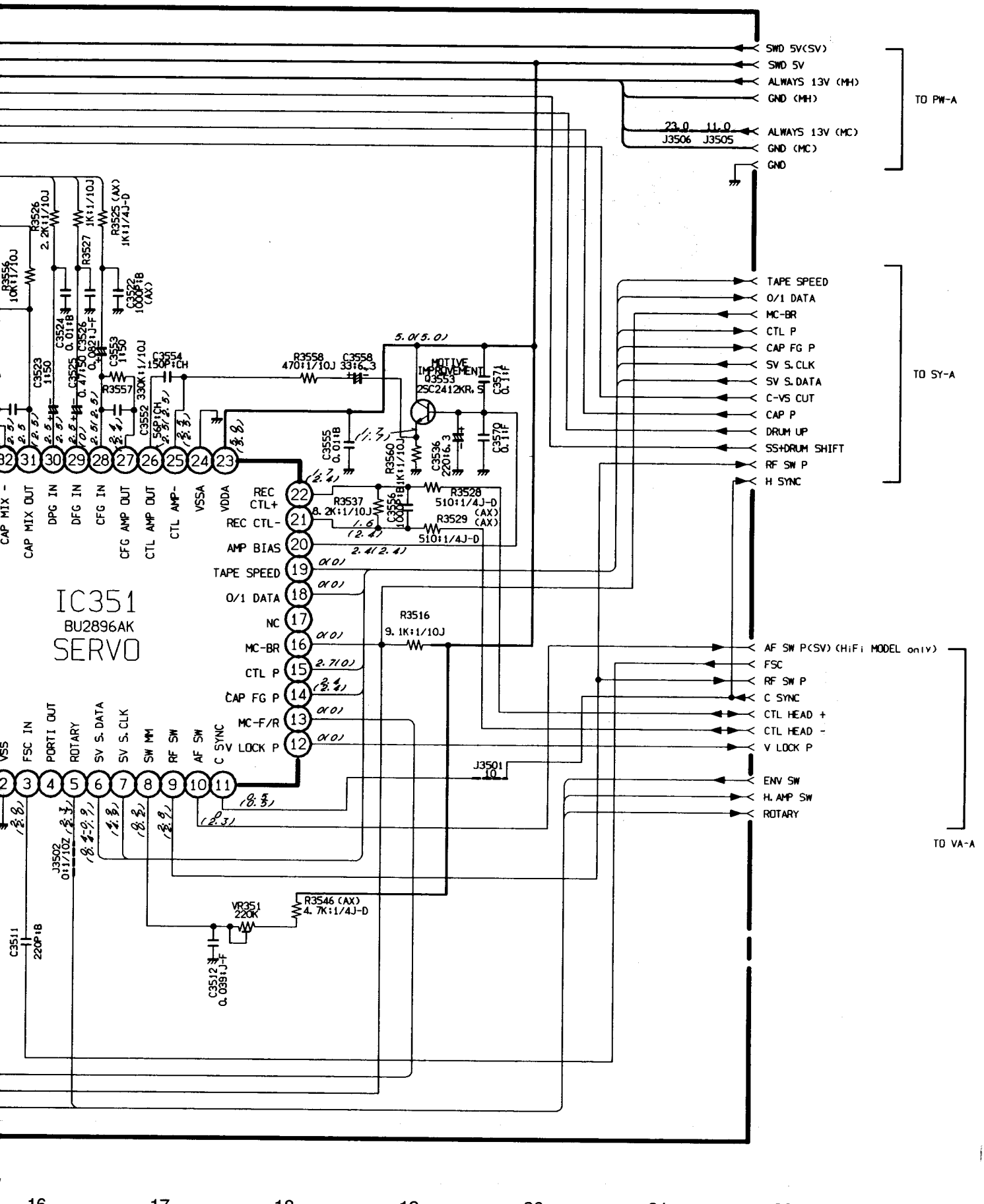
WF-S-TP4



6 7 8 9 10 11 12 13 14


IC351
BU2896AK
SERVO
AMP
Q3551
2SC2412KR, S
Q3552
2SC2412KR, S
Q3553
2SC2412KR, S
Q3504
DTC144EK
D3554
SW
SW
MOTIVE IMPROVEMENT
DRM MIX OUT
DRM MIX -
DRM MIX +
SLOW+STILL
ENV
NC
HA SW
DPV OUT
DFV OUT
VDDD
C. PV OUT
CFV OUT
VSS
FSC IN
PORTI OUT
ROTARY
SV S. DATA
SV S. CLK
SW MM
RF SW
AF SW
C SYNC
SV LOCK P
MC-F/R
CAP FG P
CTL P
MC-BR
NC
O/1 DATA
TAPE SPEED
AMP BIAS
REC CTL-
REC CTL+
VDDA
VSSA
CTL AMP-
CTL AMP OUT
CFG AMP OUT
DFG IN
DPG IN
CAP MIX OUT
CAP MIC - CAP MIX -
R3547 15K±1/10J
R3555 100K±1/10J
R3556 10K±1/10J
R3526 2.2K±1/10J
R3527 1K±1/10J
R3525 (AX) 1K±1/4J-D
R3521 10K±1/10J
R3552 100K±1/10J
R3551 10K±1/10J
R3520 390K±1/10J
R3504(AX) 150K±1/4J-D
R3505 (AX) 15K±1/4J-D
R3503 330K±1/10J
R3501 (AX) 100K±1/4J-D
R3502 100K±1/10J
R3507 (AX) 150K±1/4J-D
R3506 220K±1/10J
R3508 (AX) 27K±1/4J-D
R3518(AX) 47K±1/4J-D
R3517 47K±1/10J
R3558 470±1/10J
R3557 330K±1/10J
R3560 1K±1/10J
R3528 510±1/4J-D
R3529 (AX) 510±1/4J-D
R3537 8.2K±1/10J
R3516 9.1K±1/10J
R3546 (AX) 4.7K±1/4J-D
VR351 220K
C3551 0.12±J-G
C3523 150
C3524 0.01±B
C3525 0.47±D
C3526 0.082±J-F
C3553 150
C3554 150P±CH
C3558 33±6.3
C3555 0.01±B
C3556 1000P±B
C3536 2201±6.3
C3515 0.022±K-F
C3514 0.15±J-G
C3503 0.015±B
C3501 0.015±B
C3502 6800P±B
C3509 4716.3
C3506 6800P±B
C3507 22±16
C3508 22±16
C3505 C3504 22±16
C3517 1500P±B
C3516 2200P±B
C3511 220P±B
C3512 0.039±J-F
J3501
J3502 01±10Z
DIODES : 1SS133
EC(PLAY)MODE

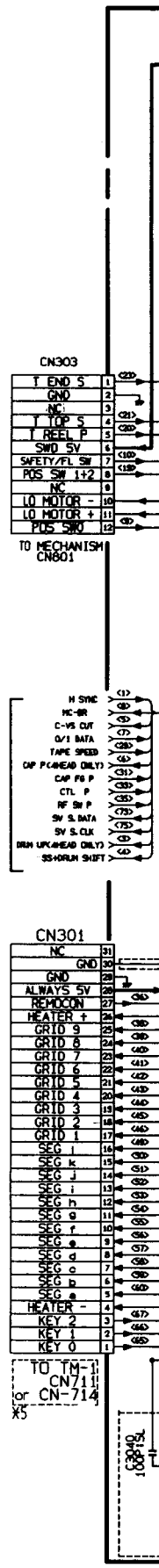
SV-A) SERVO


SWD 5V(SV)
SWD 5V
ALWAYS 13V (MH)
GND (MH)
TO PW-A
23.0 11.0
J3506 J3505
ALWAYS 13V (MC)
GND (MC)
GND
TAPE SPEED
O/1 DATA
MC-BR
CTL P
CAP FG P
SV S.CLK
SV S.DATA
C-VS CUT
CAP P
DRUM UP
SS+DRUM SHIFT
RF SW P
H SYNC
TO SY-A
IC351
BU2896AK
SERVO
CAP MIX -
CAP MIX OUT
DPG IN
DFG IN
CFG IN
CFG AMP OUT
CTL AMP OUT
CTL AMP-
VSSA
VDDA
REC CTL+
REC CTL-
AMP BIAS
TAPE SPEED
O/1 DATA
NC
MC-BR
CTL P
CAP FG P
MC-F/R
SV LOCK P
VSS
FSC IN
PORTI OUT
ROTARY
SV S.DATA
SV S.CLK
SW MMI
RF SW
AF SW
C SYNC
R3558 470:1/10J
C3558 33:6.3
C3554 150P:CH
C3552 330K:1/10J
C3553 1150
C3555 0.01:B
C3556 1000P:B
R3560 1K:1/10J
C3536 220:6.3
C3571 0.1:F
C3570 0.1:F
MOTIVE IMPROVEMENT
Q3553
2SC2412KR.S
R3528 510:1/4J-D (AX)
R3529 (AX) 510:1/4J-D
R3537 8.2K:1/10J
R3516 9.1K:1/10J
J3501 10
AF SW P(SV) (HiFi MODEL only)
FSC
RF SW P
C SYNC
CTL HEAD +
CTL HEAD -
V LOCK P
ENV SW
H.AMP SW
ROTARY
TO VA-A
J3502 0:1/10Z
C3511 220P:B
VR351 220K
R3546 (AX) 4.7K:1/4J-D
C3512 0.039:J-F
R3526 2.2K:1/10J
R3527 1K:1/10J
R3525 (AX) 1K:1/4J-D
C3522 1000P:B (AX)
C3523 1150
C3524 0.01:B
C3525 0.47:50
C3526 0.082:J-F
R3556 10K:1/10J
R3557

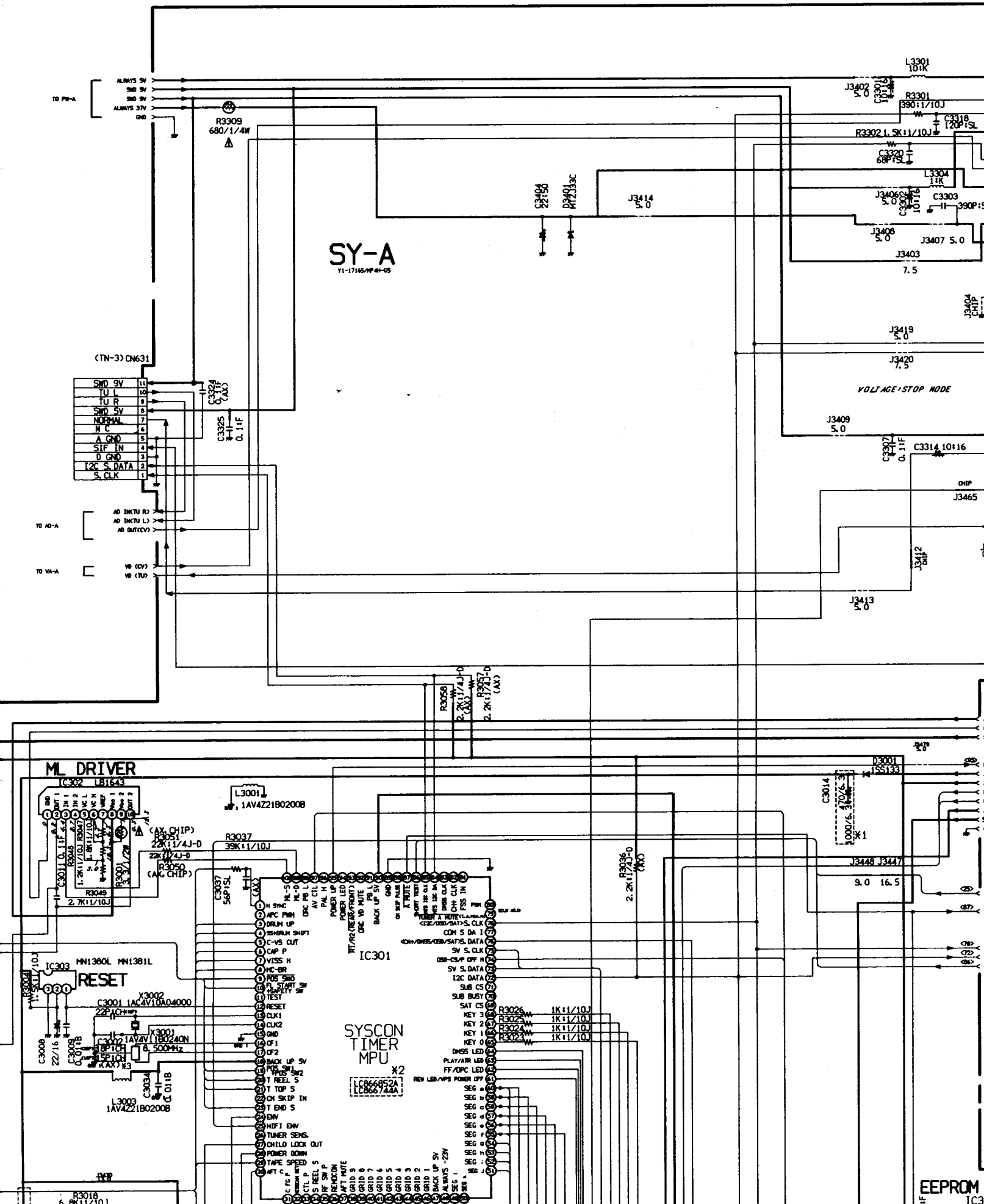
IC301 SYSTEM CONTROL,TIMER & TUNING CONTROL MPU PIN FUNCTIONS TABLE

No.	Name	I/O	H/L	I/O Signal Function
1	H SYNC	I	-	Sync. signal input for existing channel discrimination and TV system discrimination.
2	APC PWM	O	-	Signal to control video recording current EQ-amp.
3	DRUM UP	O	H	Head drum motor rotation speed up signal.
4	SS + DRUM SHIFT	O	-	Signal for indicating SLOW/STILL modes and alternation of drum motor control data. (3 value voltage)
5	C - Vs CUT	O	H	Cut off for capstan motor control voltage in SLOW / STILL modes.
6	CAP P.	O	H	Gain down control for Head Motor at SLOW mode.
7	VISS H	I	H	CTL pulse duty detection signal input. Used for VISS detection.
8	MC - BR	O	H	Brake signal for capstan motor.
9	POS SW0	I	L	Data indicating operation position of mechanism. (0V : SEARCH,STILL,SLOW,STOP,PLAY, and REC modes) (5V : EJECT,REW, and INITIAL modes)
10	FL- START + SAFETY SW	I	L	Switch input indicating start of cassette loading or discharge by cassette mechanism and detecting accidental erasure prevention tab of cassette tape.
11	-	-	-	-
12	RESET	I	L	Initial reset terminal for this IC.
13	CLK 1	-	-	Clock OSC during power failures.
14	CLK 2	-	-	Frequency is 32kHz.
15	VSS	-	-	Ground terminal
16	CF 1	-	-	IC clock OSC terminal.
17	CF 2	-	-	Frequency is 8.5MHz.
18	VDD	-	-	IC power supply terminal. (5Vdc)
19	POS SW1+2	I	-	Data indicating operation position of mechanism. (2V: EJECT,REW ,and INITIAL modes) (3.4V: STOP, PLAY,REC, and F-SEARCH modes) (2.5V: STILL and SLOW modes) (5V: R-SEARCH mode)
20	T. REEL S.	I	-	Pulse input for detection of take-up reel table rotation.
21	T. TOP S.	I	L	Sensor signal input for tape beginning detection.
22	CM SKIP IN	I	-	CM-DET signal input.
23	T. END S.	I	L	Sensor signal input for tape end detection.
24	ENV.	I	-	Video head envelope detection signal input for ATR function.
25	HiFi ENV.	I	-	Hi-Fi audio head envelope detection signal input for ATR function. (Hi-Fi model only)
26	TUNER SENS	-	-	NOT USE
27	YCA MUTE	O	H	Signal to disable audio signal output.
28	POWER DOWN	I	L	Power failure detection terminal.
29	TAPE SPEED	I	-	Input of result of tape speed discrimination by digital servo IC.
30	AFT - C	I	-	Tuner AFT S-curve signal input for tuner AFT control.
31	C - FG P.	I	-	FG signal input of capstan motor.
32	MESECAM DET	I	-	NOT USE
33	CTL P.	I	-	CTL head recording / playback pulse signal input.
34	S REEL P	I	-	NOT USE
35	RF SW P.	I	-	RF switching pulse input, created by head drum PG.
36	REMOCON	I	-	Remote control signal input.
37	AFT MUTE	O	H	"H" output during TU AFT mute. (V-syn model only)
38	G9	O	-	Display grid outputs (FLD).
39	G8	O	-	
40	G7	O	-	
41	G6	O	-	
42	G5	O	-	
43	G4	O	-	
44	G3	O	-	
45	G2	O	-	
46	G1	O	-	
47	VDD	-	-	IC power supply input.(5Vdc)
48	V LOAD	-	-	-23V input for FLD drive.
49	SEG l	O	-	Display segment outputs (FLD). (Includes key-scan output)
50	SEG k	O	-	
51	SEG j	O	-	
52	SEG i	O	-	
53	SEG h	O	-	
54	SEG g	O	-	
55	SEG f	O	-	
56	SEG e	O	-	
57	SEG d	O	-	
58	SEG c	O	-	
59	SEG b	O	-	
60	SEG a	O	-	
61	REW LED	O	H	Signal for indicating REW mode.
	VPS P OFF	O	H	Signal to disable power LED while OPC-DET is working.
62	FF/OPC LED	O	H	Signal for indicating FF or OPC mode.
63	PLAY/ATR LED	O	H	Signal for indicating PLAY or ATR mode.
64	DMSS LED	O	H	Signal for indicating DMSS mode.
65	KEY IN 0	I	-	Operation key data inputs.
66	KEY IN 1	I	-	
67	KEY IN 2	I	-	
68	KEY IN 3	I	-	
69	SAT CS	O	H	Chip enable signal to satellite control IC.
70	SUB BUSY	I	H	NOT USE
71	SUB CS	O	H	NOT USE
72	I2C S.DATA	I/O	-	Data exchange with I2C ROM, TUNER and video-audio IC.
73	SV S. DATA	O	-	Output 8-bit X 4 serial data giving operation mode and tracking data, etc., to digital servo IC.
74	OSD CS	O	H	Chip enable (access) signal output to OSD IC.
	POWER OFF MUTE	H	O	"H" output when power is off, for disable output signal.
75	SV S. CLK	O	-	The clock pulse for digital servo IC.(TUNER,VA-A)
76	COMMON DATA	O	-	Terminal for communication of respective data with OSD IC,DMSS IC, SAT CTL IC and CH+ IC.
77	COM S DA I	-	-	NOT USE
78	COMMON CLK	O	-	The clock pulse for TUNER, video-audio IC,OSD IC, satellite control IC and E2P ROM.
79	TUNER A MUTE	O	H	Signal for disable the tuner audio signal.(HiFi set)
80	TU PWM	O	-	Tuning voltage output (PWM signal). (V-syn model)
81	FSS IN	I	-	CH+ mode control signal input (CH+ model).
82	CH PLUS CLK	O	-	The clock pulse for CH+ in/out-select IC.(CH+ model)
83	DMSS CLK	O	-	Clock signal for audio DMSS unit.
84	MTS ISC DA	I/O	-	Data signal for MTS decoder.
85	MTS ISC CLK	O	-	Clock signal for MTS decoder.
86	SHORT TEST	I	I	REC mode indication signal input. (NOT USE)
87	A MUTE	O	H	"H" output for disable audio output signal.
88	CM SKIP PULSE	O	-	Pulse to sample-hold timing for CM-detector.
89	VSS	-	-	IC ground terminal.
90	VDD	-	-	IC power supply input.(5Vdc)
91	PB L	O	L	Signal for indicating playback mode.
92	ORC VD MUTE	O	H	"H" output for disable video output signal during detection of tape character.
93	R1/R2	O	-	Signal for selecting AV-input(video/audio)source.(R1:L)
94	POWER LED	-	-	NOT USE
95	POWER UP	O	H	"HIGH" output except when power is off. Indicating that power is ON.
96	PAL H	O	H	Signal to indicate "PAL" mode.
97	AV CTL	O	-	Audio input source selecting for audio IC.
98	ORC PB L	O	L	Signal to indicated "ORC PB" mode
99	ML- D	O	-	Loading motor rotation direction (FWD / REV) indication signal.
100	ML- S	O	-	Loading motor rotation speed (low / medium / high) indication signal.

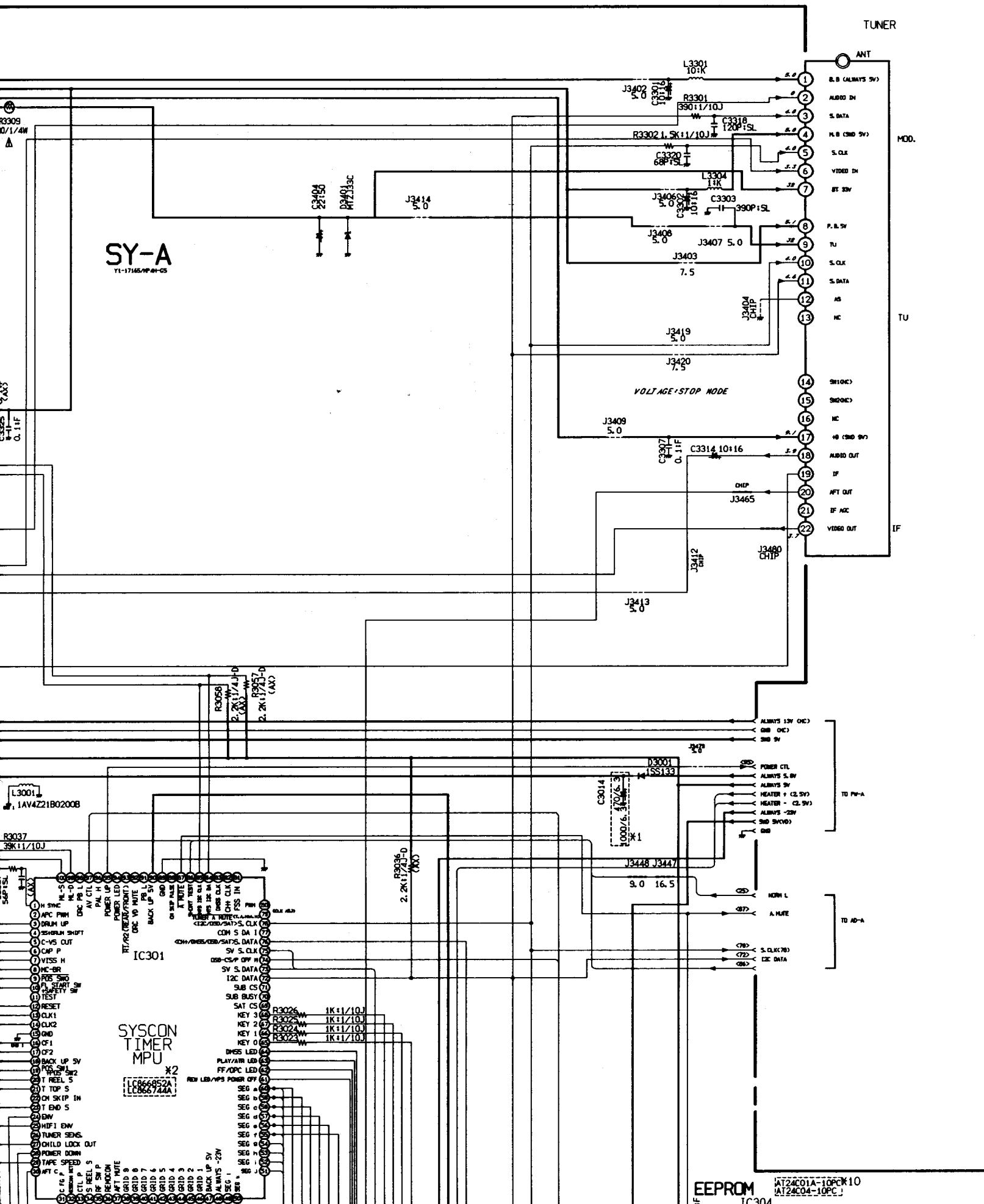
MP_IC301_A



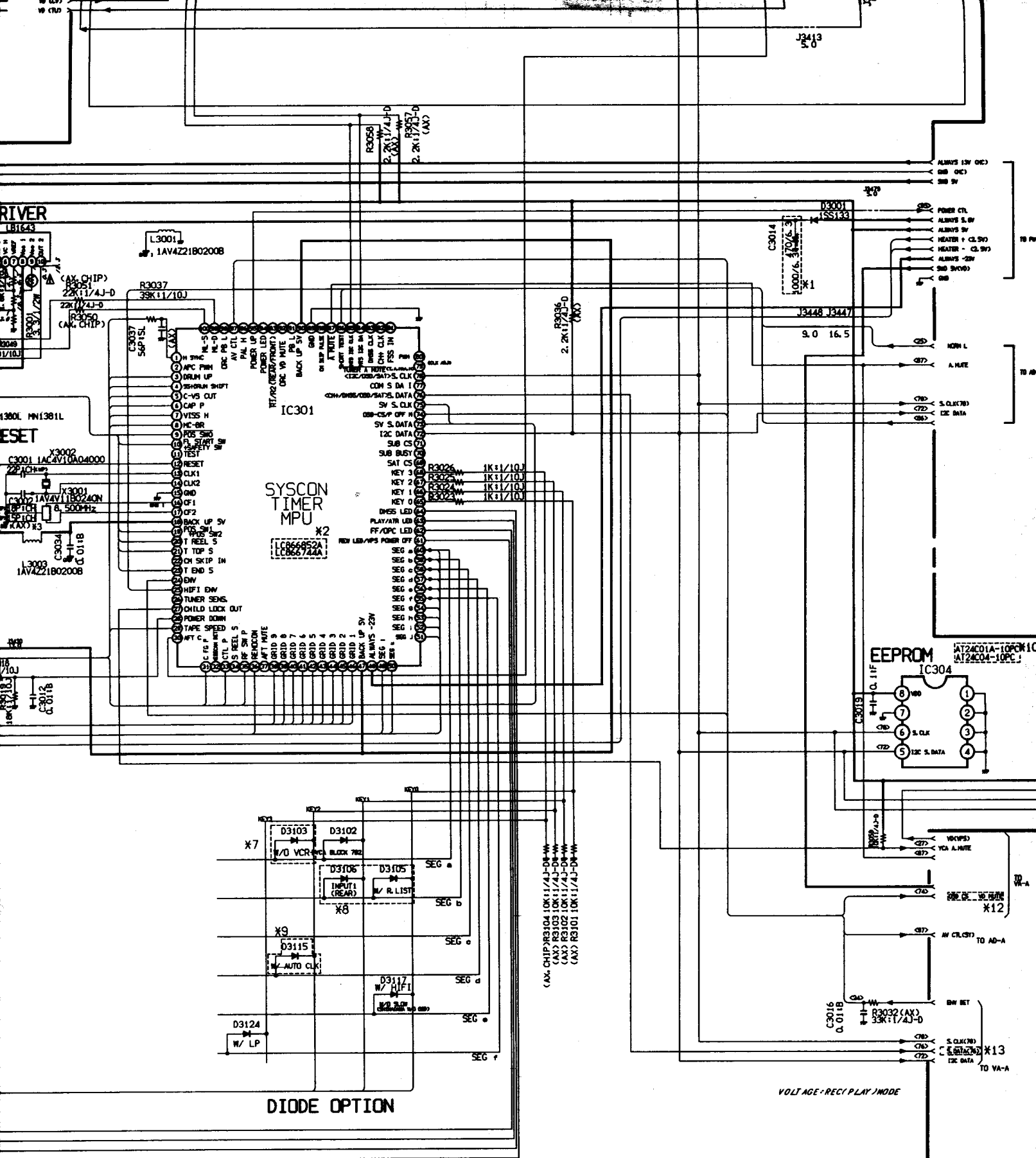
CP-1 BOARD (SY-A) SYSTEM CONTROL,TIMER & TUNER
(VHR-757G , VHR-757NL & VHR-777EV)



CP-1 BOARD (SY-A) SYSTEM CONTROL,TIMER & TUNER
(VHR-757G , VHR-757NL & VHR-777EV)

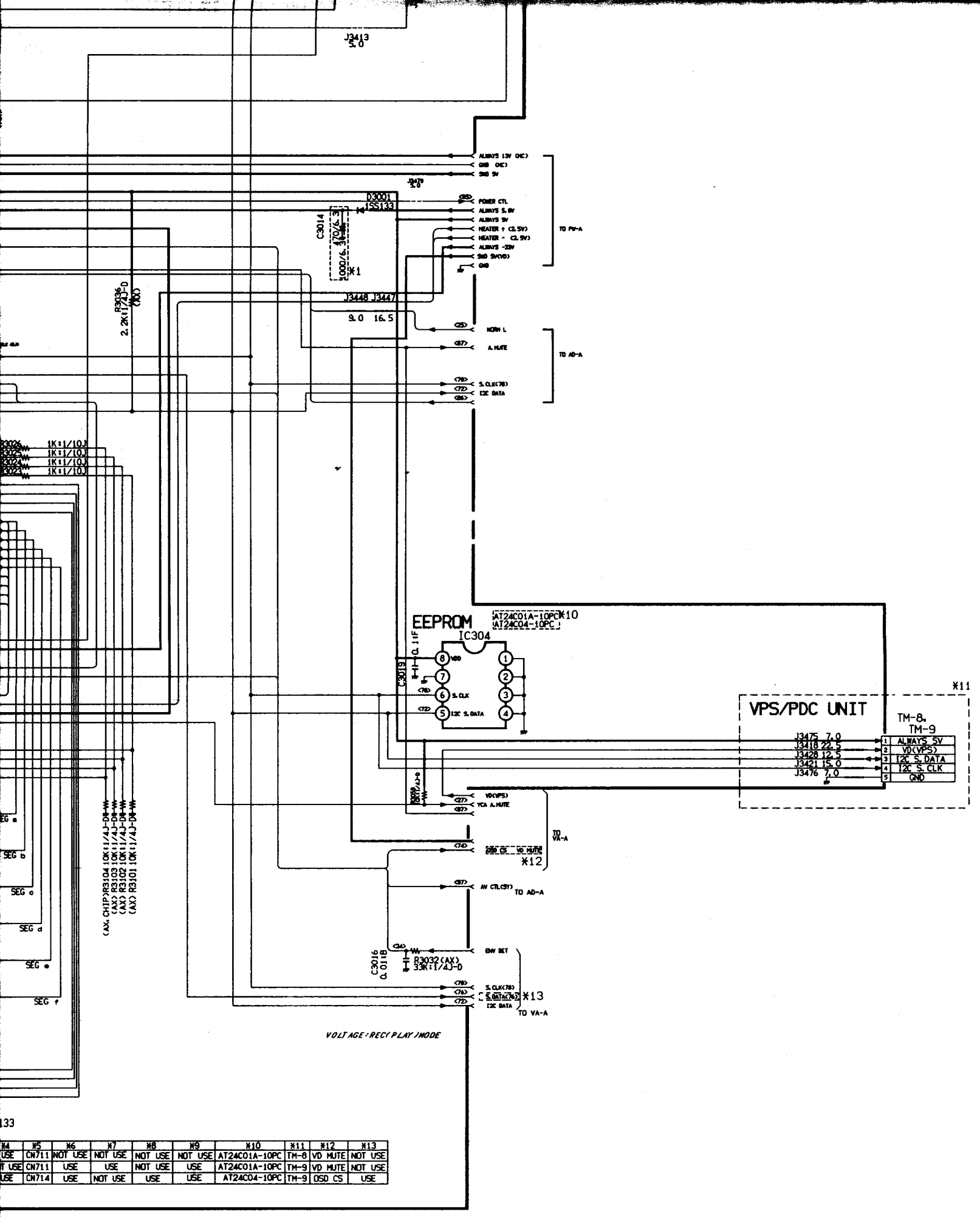


	※1	※2	※3	※4	※5	※6	※7	
VHR-757G	470/6.3	LC866744A	18P*CH	USE	CN711	NOT USE	NOT USE	NO
VHR-757ML	1000/6.3	LC866744A	18P*CH	NOT USE	CN711	USE	USE	NO
VHR-777EV	470/6.3	LC866852A	15P*CH	USE	CN714	USE	NOT USE	



NOTE NOT SPECIFIED DIODE:1SS133

	×1	×2	×3	×4	×5	×6	×7	×8	×9	×10	×11	×12	×13
VHR-757G	470/6.3	LC866744A	18P±CH	USE	CN711	NOT USE	NOT USE	NOT USE	NOT USE	AT24C01A-10PC	TM-8	VD MUTE	NOT USE
VHR-757NL	1000/6.3	LC866744A	18P±CH	NOT USE	CN711	USE	USE	NOT USE	USE	AT24C01A-10PC	TM-9	VD MUTE	NOT USE
VHR-777EV	470/6.3	LC866852A	15P±CH	USE	CN714	USE	NOT USE	USE	USE	AT24C04-10PC	TM-9	OSD CS	USE

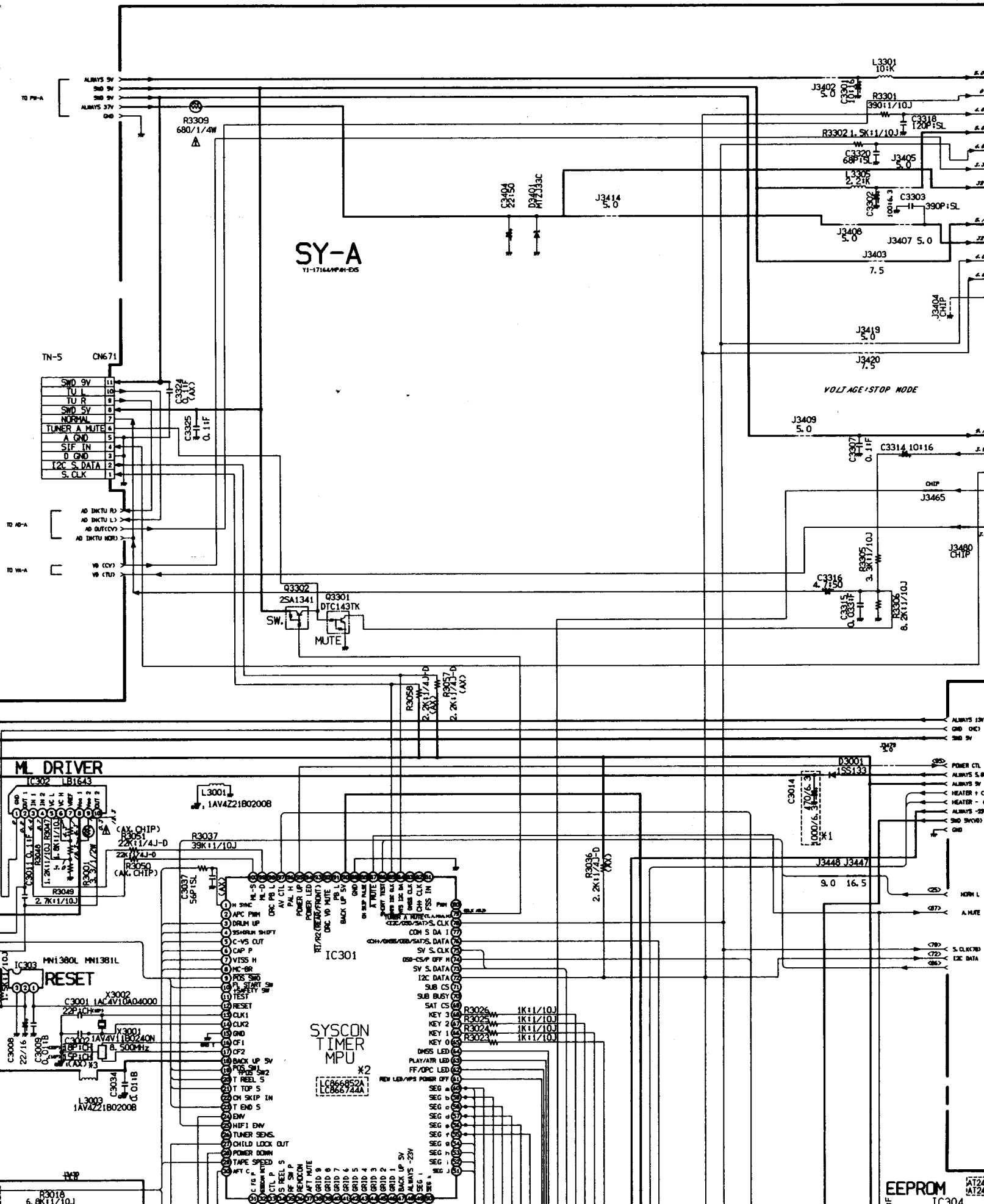


133

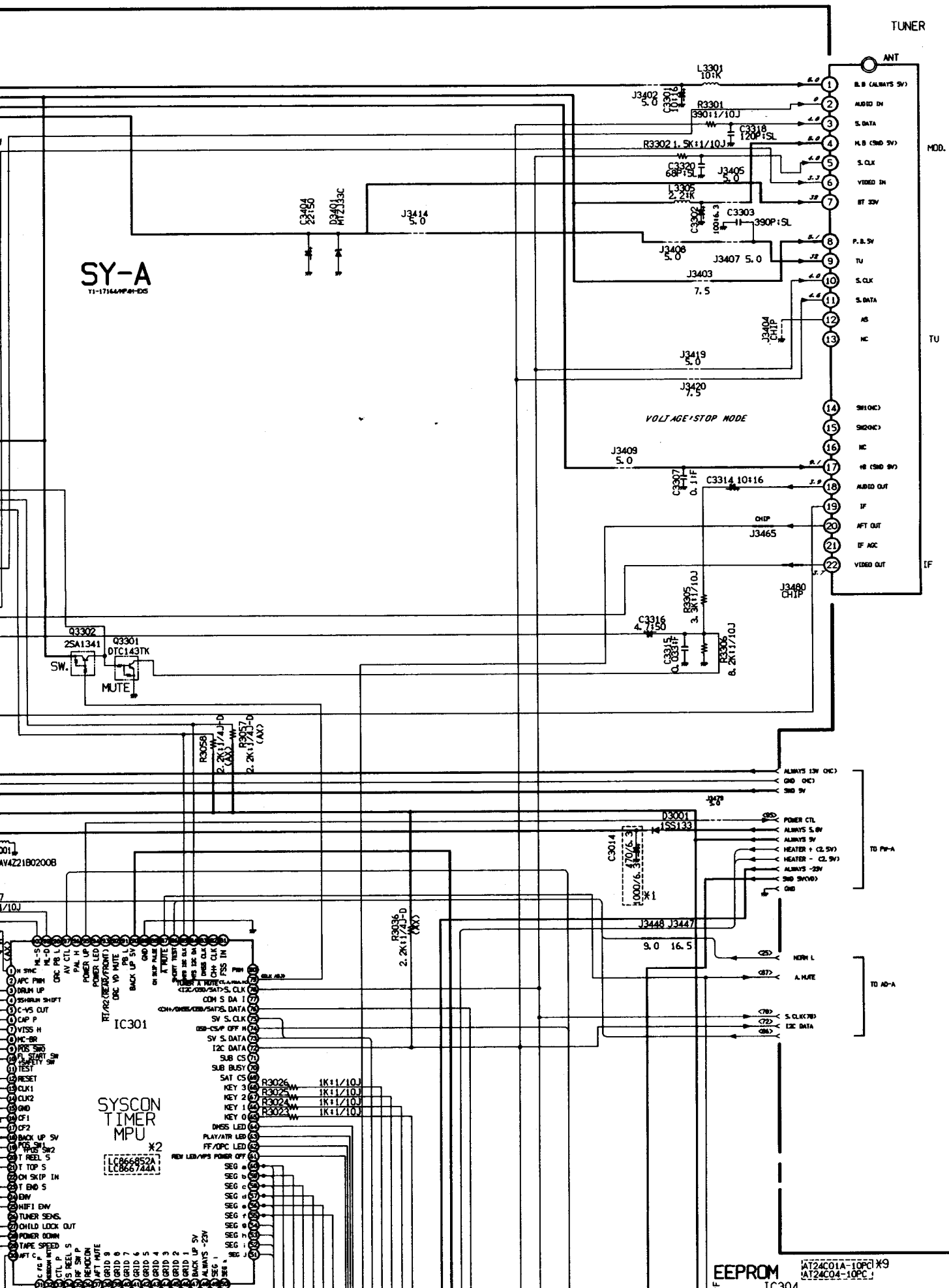
※4	※5	※6	※7	※8	※9	※10	※11	※12	※13
USE	CN711	NOT USE	NOT USE	NOT USE	NOT USE	AT24C01A-10PC	TM-8	VD MUTE	NOT USE
T USE	CN711	USE	USE	NOT USE	USE	AT24C01A-10PC	TM-9	VD MUTE	NOT USE
USE	CN714	USE	NOT USE	USE	USE	AT24C04-10PC	TM-9	OSD CS	USE

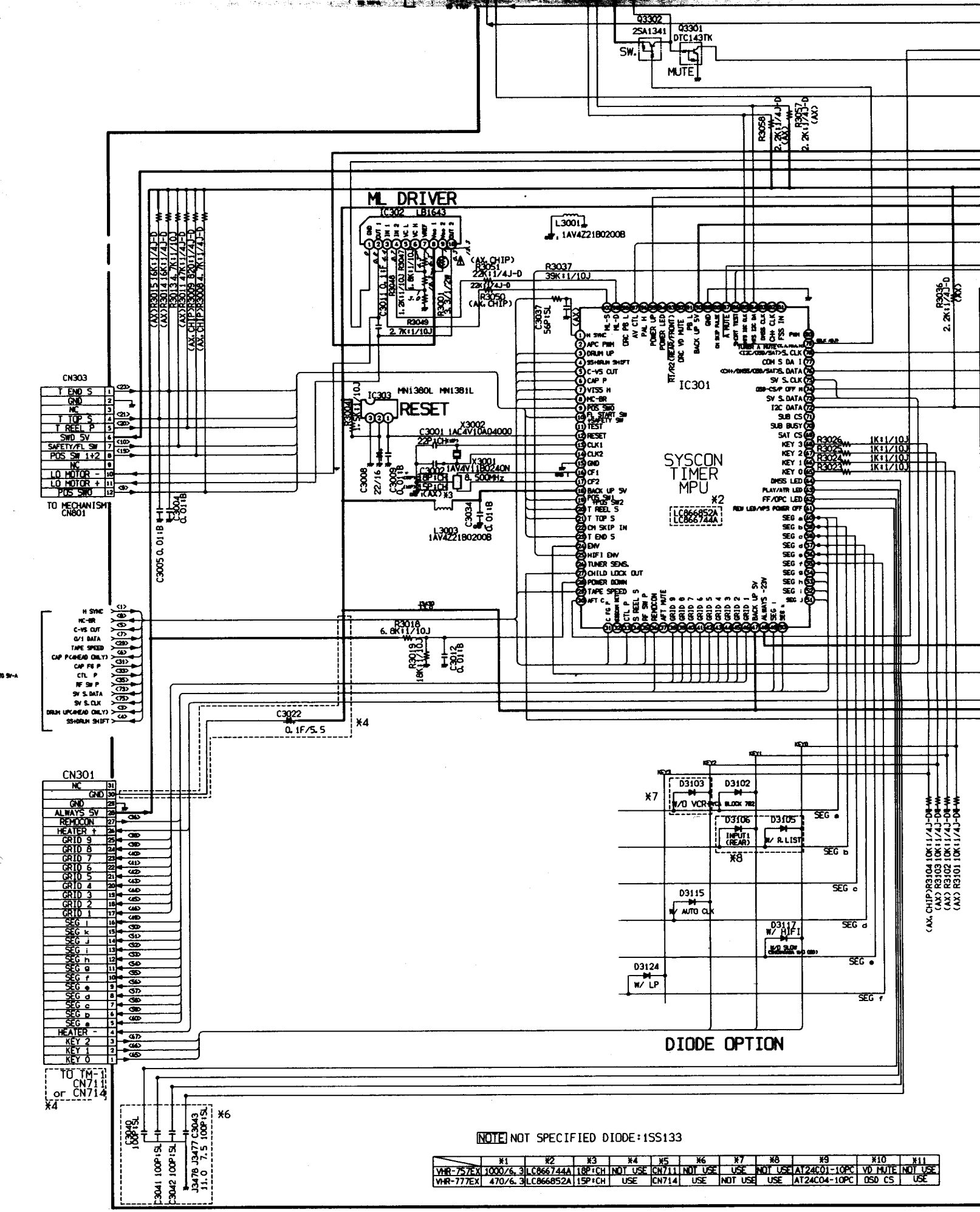
15 16 17 18 19 20 21 22 23

CP-1 BOARD (SY-A) SYSTEM CONTROL,TIMER & TUNER
(VHR-757EX & VHR-777EX)

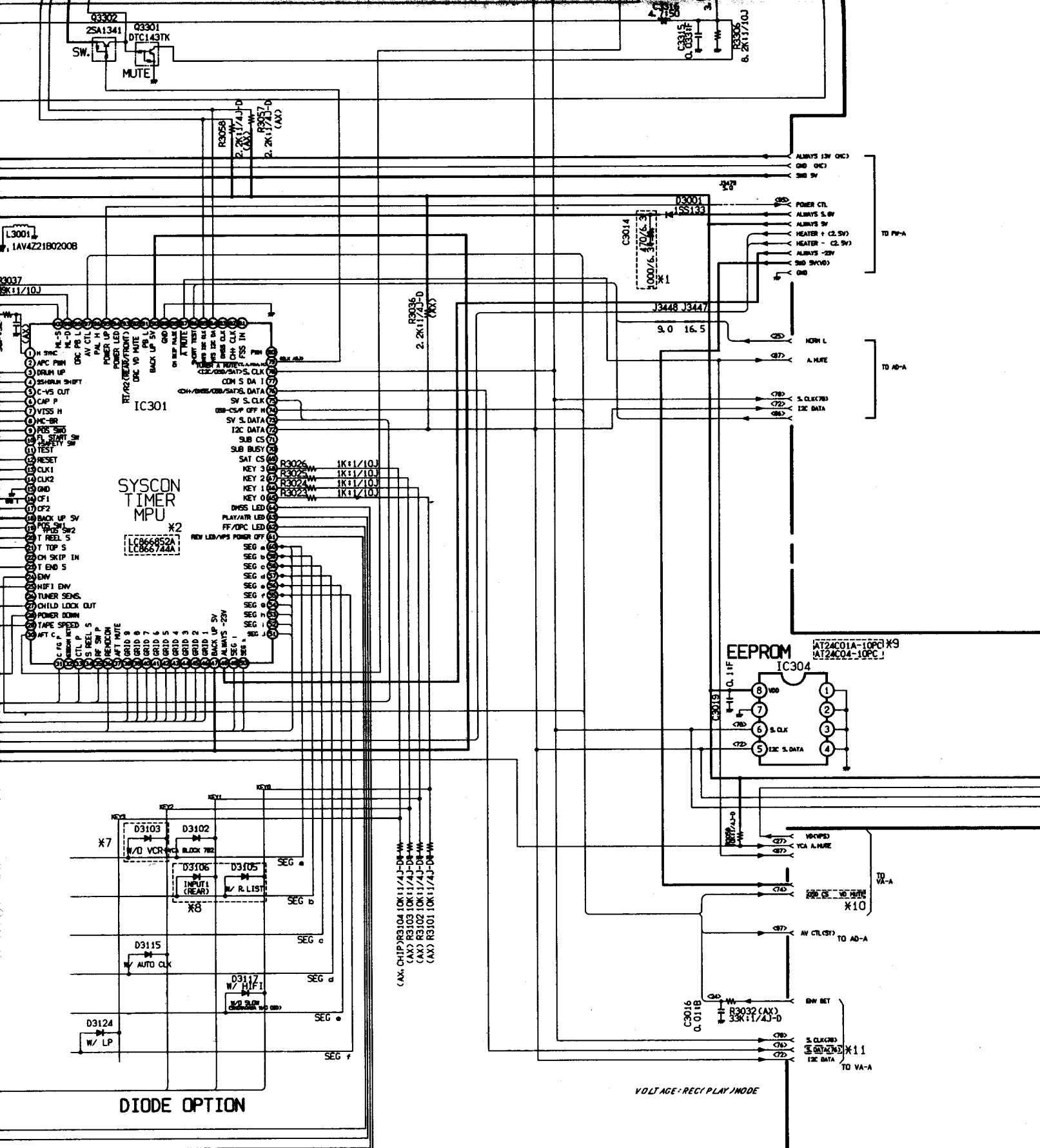


CP-1 BOARD (SY-A) SYSTEM CONTROL,TIMER & TUNER
(VHR-757EX & VHR-777EX)



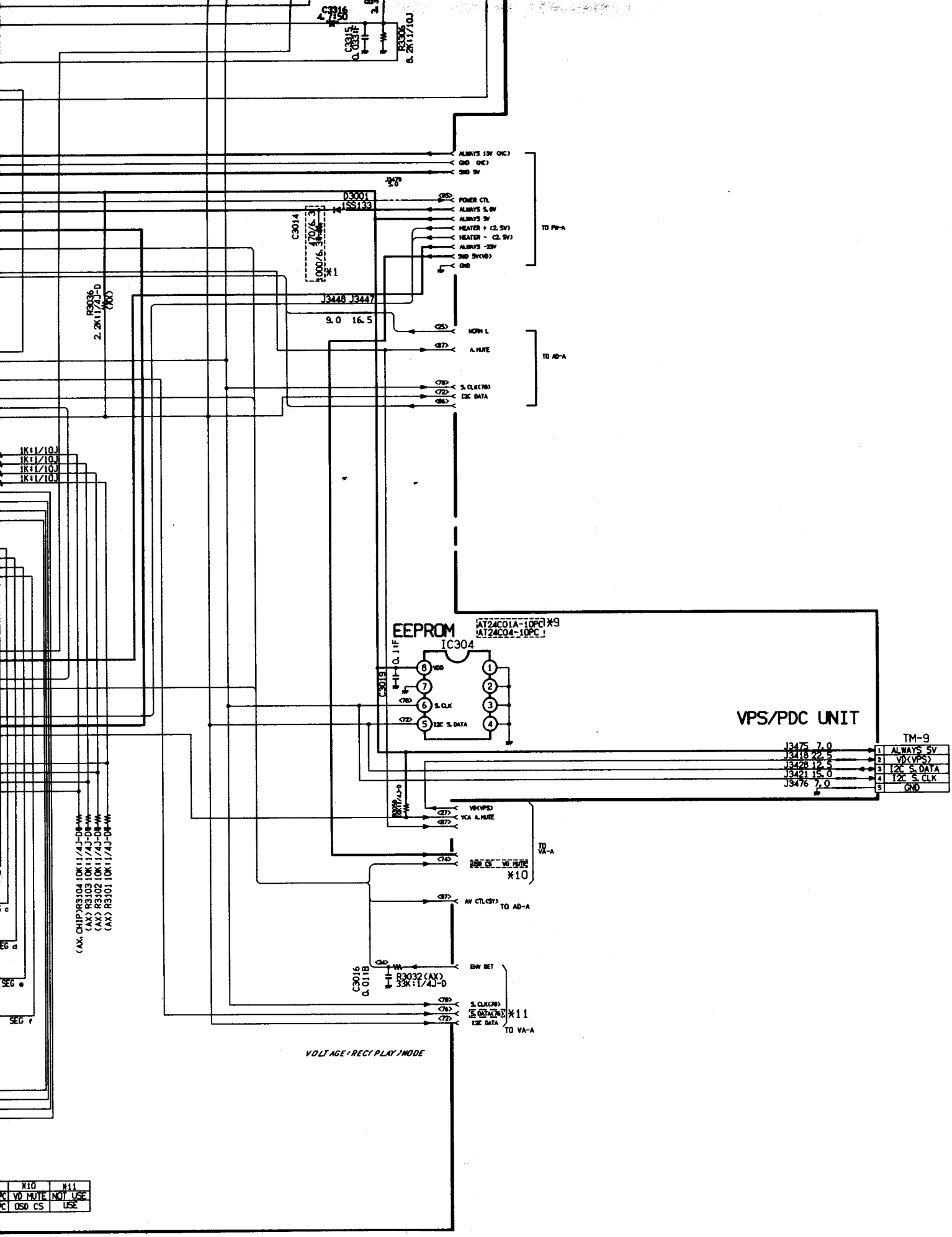


	×1	×2	×3	×4	×5	×6	×7	×8	×9	×10	×11
VHR-757EX	1000/6.3	LC866744A	18P:CH	NOT USE	CN711	NOT USE	USE	NOT USE	AT24C01-10PC	VD MUTE	NOT USE
VHR-777EX	470/6.3	LC866852A	15P:CH	USE	CN714	USE	NOT USE	USE	AT24C04-10PC	OSD CS	USE

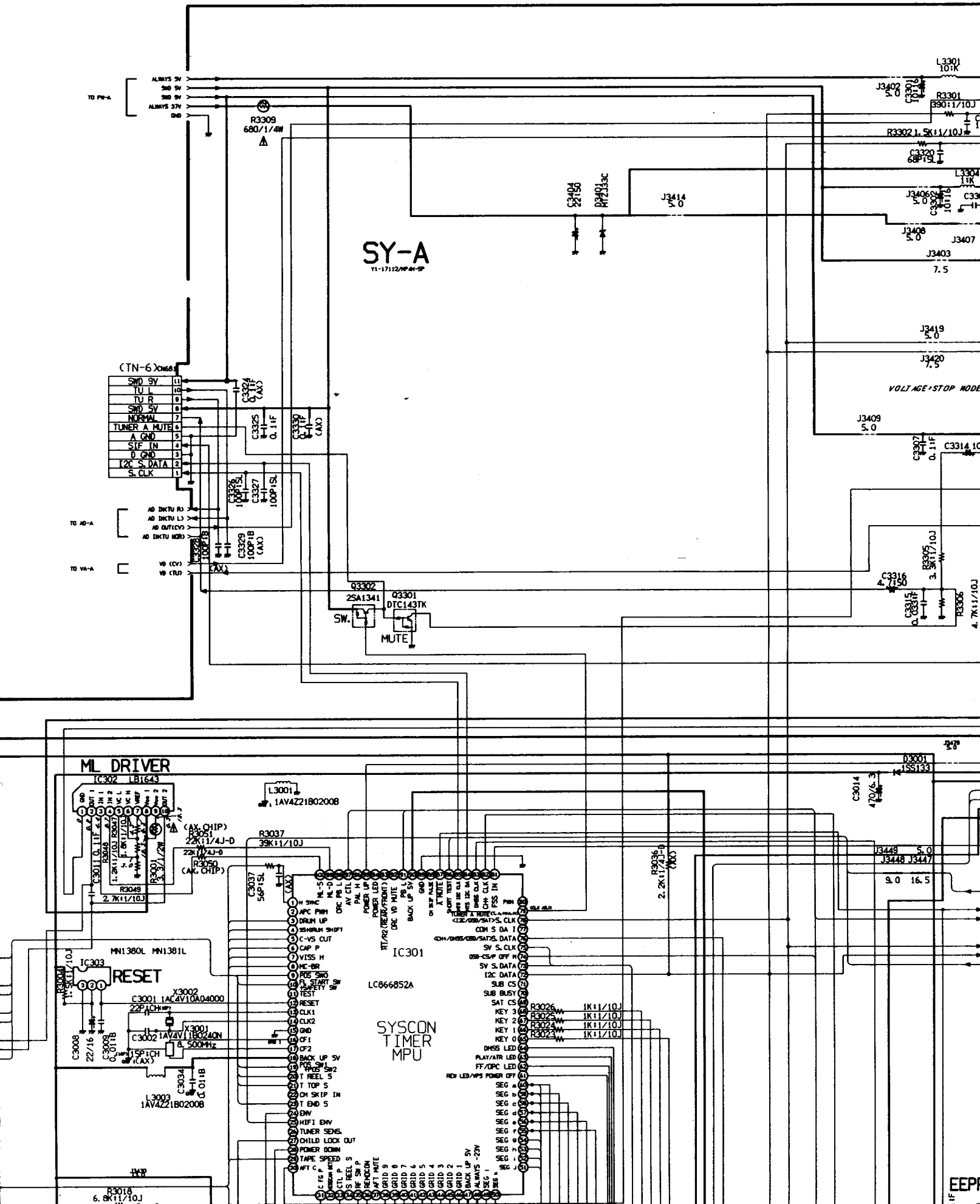


ECIFIED DIODE:1SS133

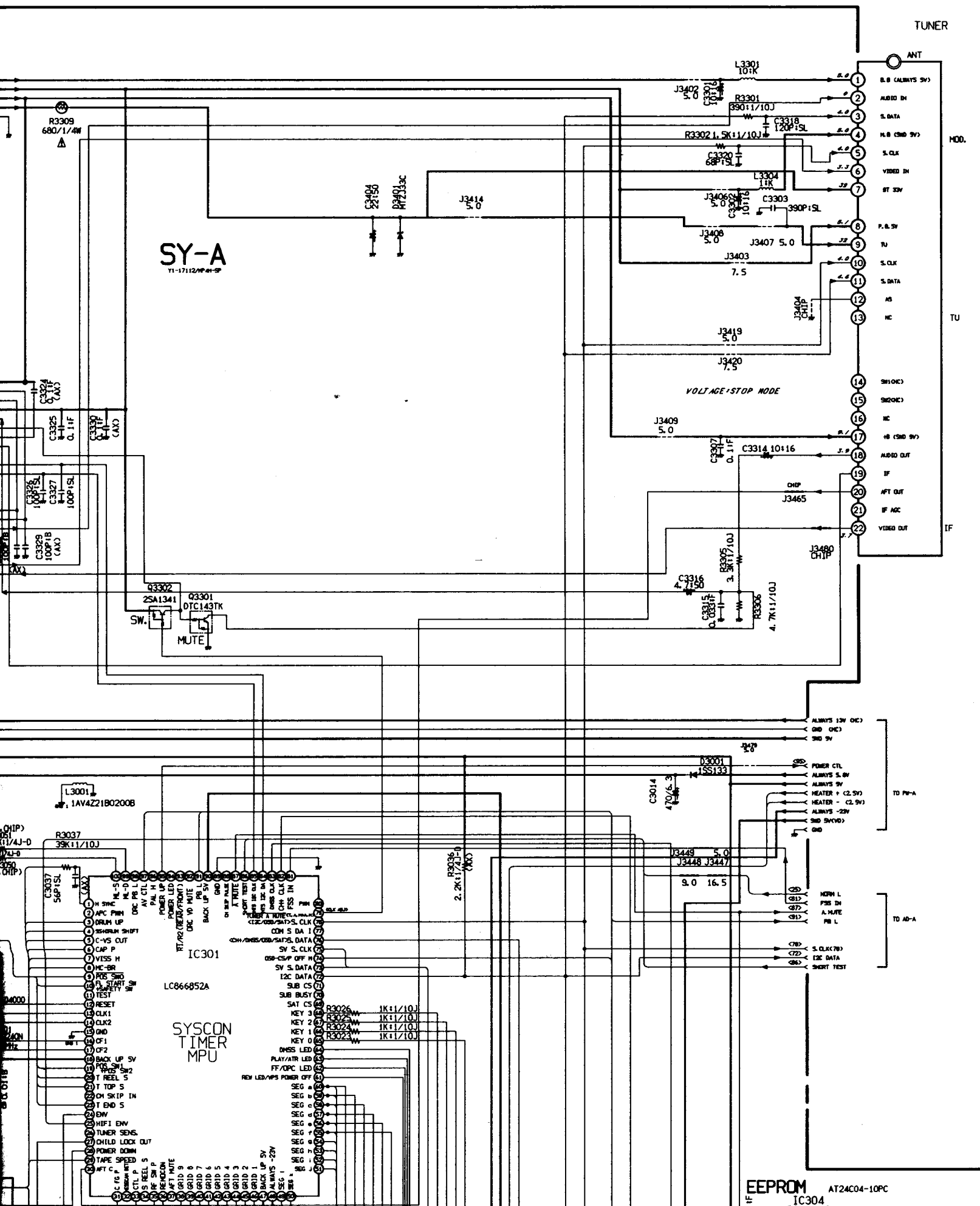
×2	×3	×4	×5	×6	×7	×8	×9	×10	×11
744A	18P:CH	NOT USE	CN711	NOT USE	USE	NOT USE	AT24C01-10PC	VD MUTE	NOT USE
852A	15P:CH	USE	CN714	USE	NOT USE	USE	AT24C04-10PC	OSD CS	USE

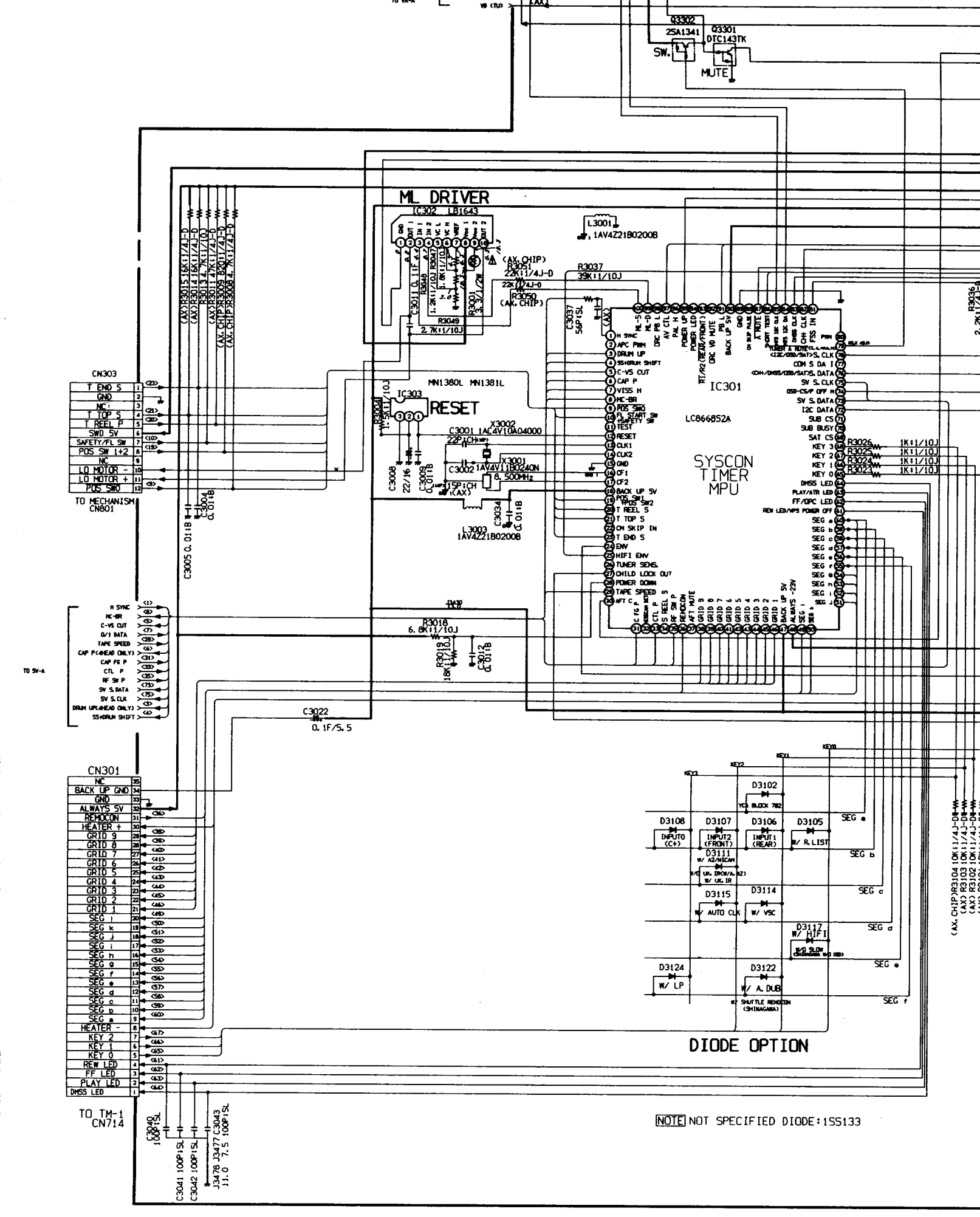

EEPROM
IC304
AT24C01A-10PC *9
AT24C04-10PC
VPS/PDC UNIT
TM-9
ALWAYS 5V
VD(VPS)
I2C S. DATA
I2C S. CLK
GND
TO PW-A
TO AD-A
TO VA-A
VOLTAGE : REC/PLAY/MODE
*10
*11
VD MUTE
NOT USE
OSD CS
USE

CP-1 BOARD (SY-A) SYSTEM CONTROL,TIMER & TUNER (VHR-797SP ONLY)

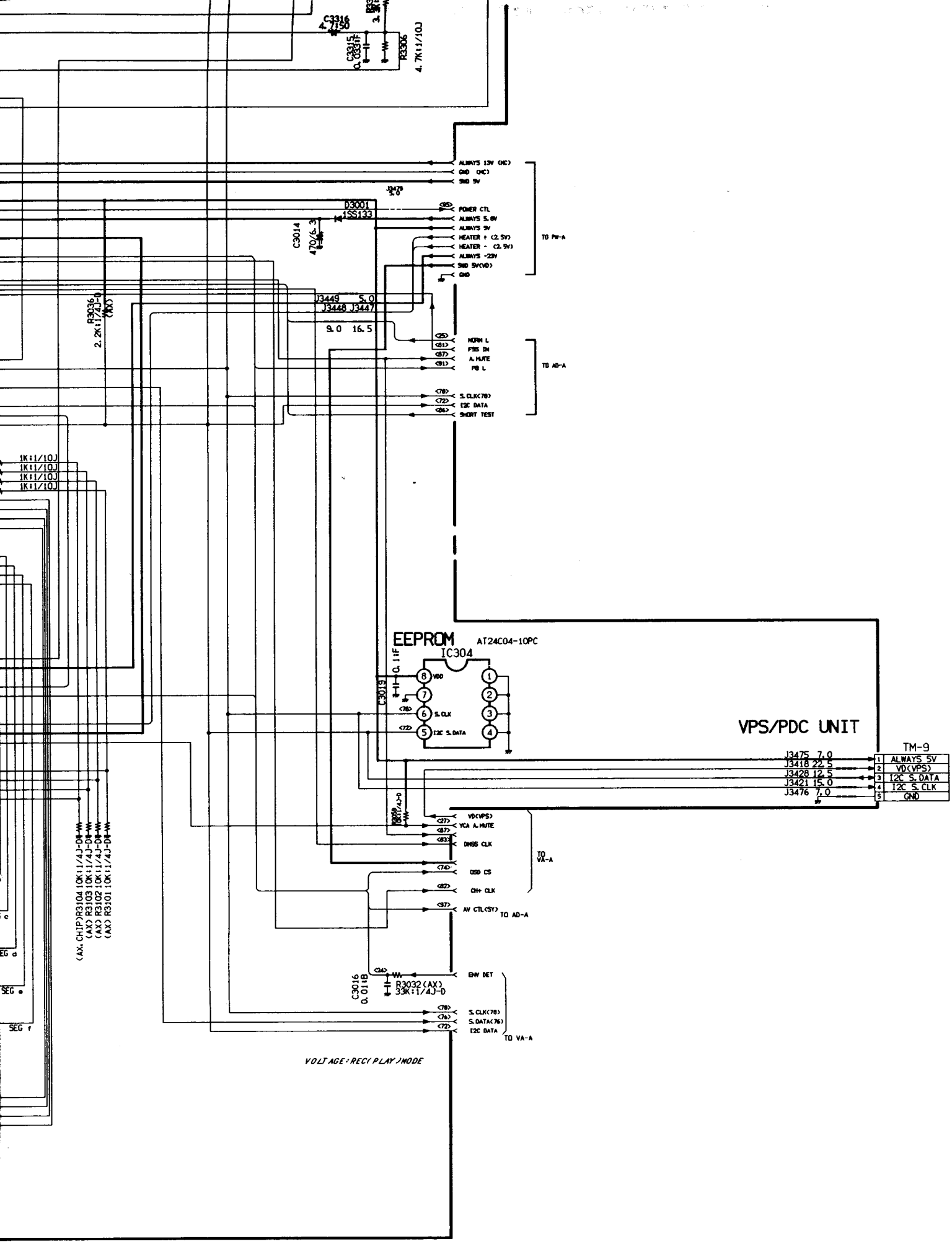


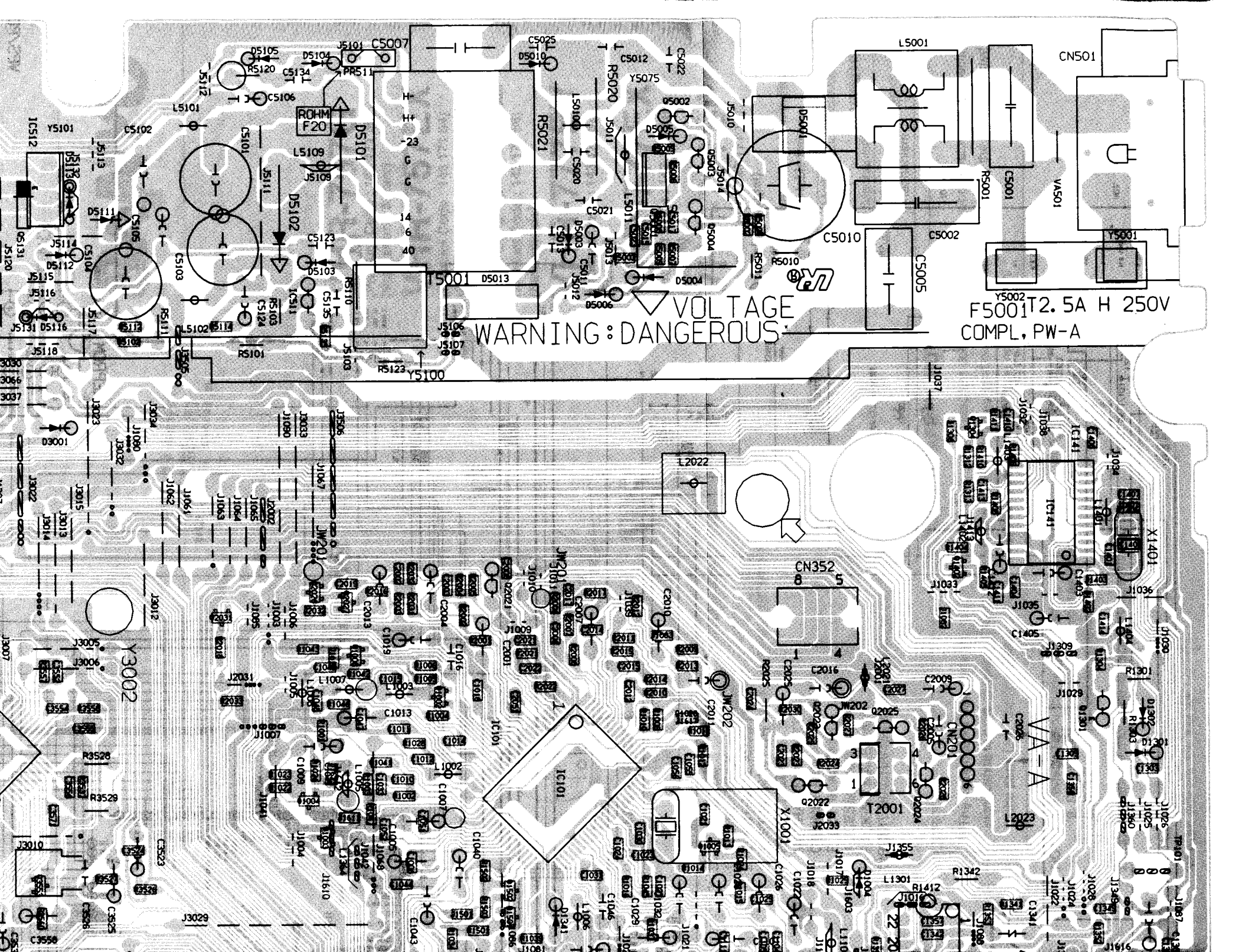
CP-1 BOARD (SY-A) SYSTEM CONTROL,TIMER & TUNER (VHR-797SP ONLY)

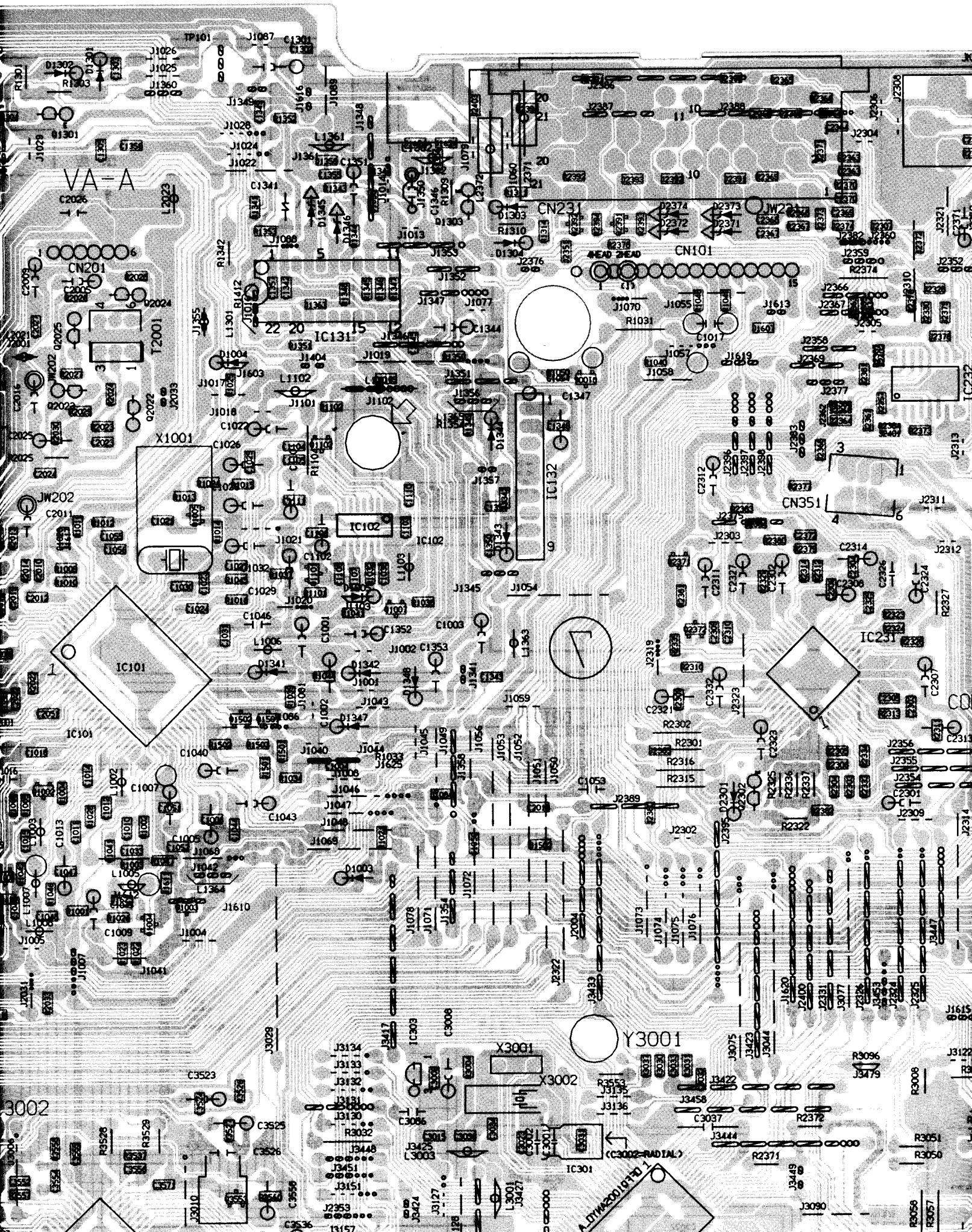


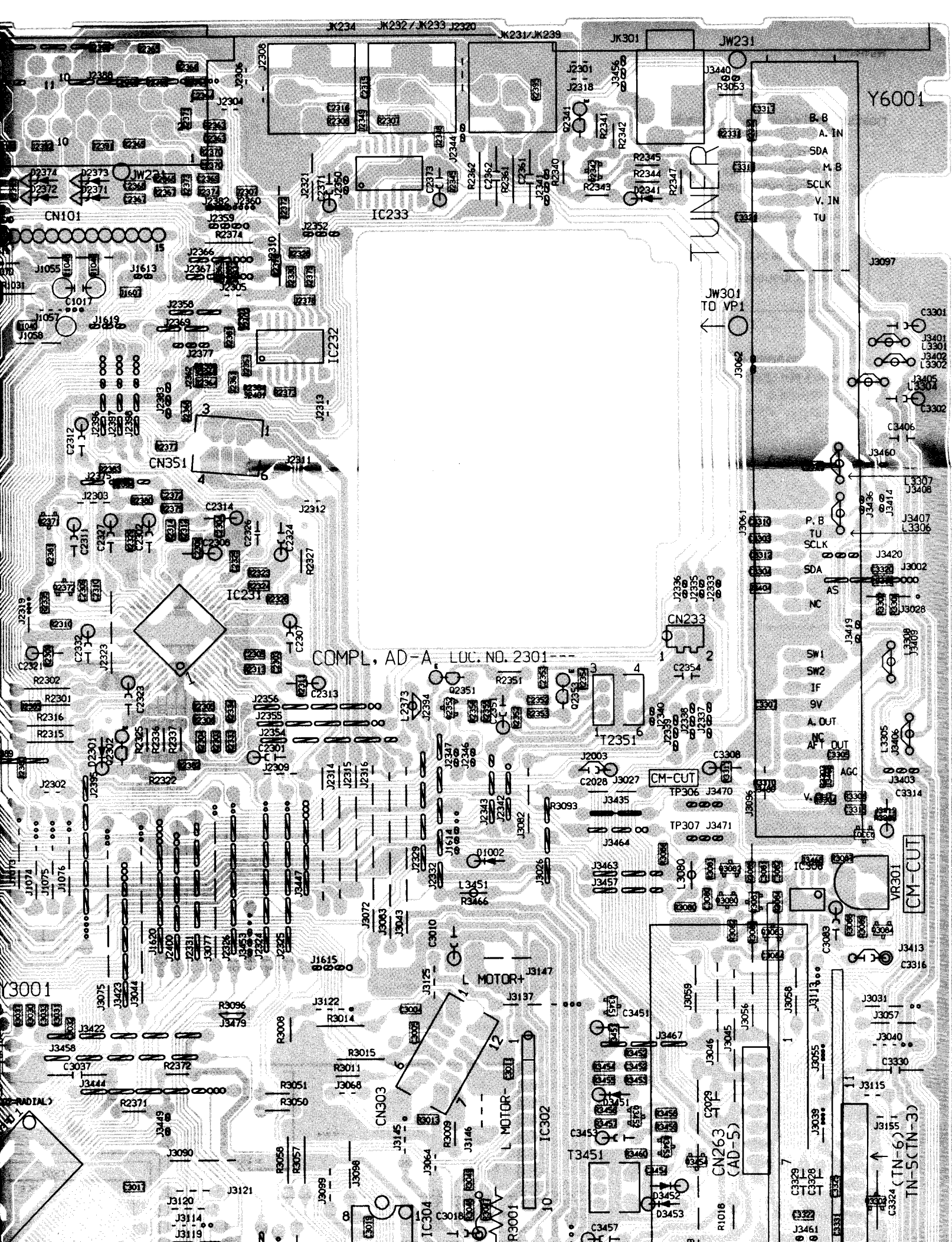

ML DRIVER
IC302 LB1643
IC303
RESET
MN1380L MN1381L
IC301
LC866852A
SYSCON
TIMER
MPU
CN303
CN301
TO MECHANISM
CN801
TO TM-1
CN714
TO SV-A
DIODE OPTION
D3102
D3108
D3107
D3106
D3105
D3111
D3115
D3114
D3117
D3124
D3122
INPUT0
(C+)
INPUT2
(FRONT)
INPUT1
(REAR)
W/ R.LIST
W/ AUTO CLK
W/ VSC
W/ HIFI
W/ LP
W/ A. DUB
SEG a
SEG b
SEG c
SEG d
SEG e
SEG f
NOTE NOT SPECIFIED DIODE:1SS133
8
9
10
11
12
13
14
15
-43-
-44-

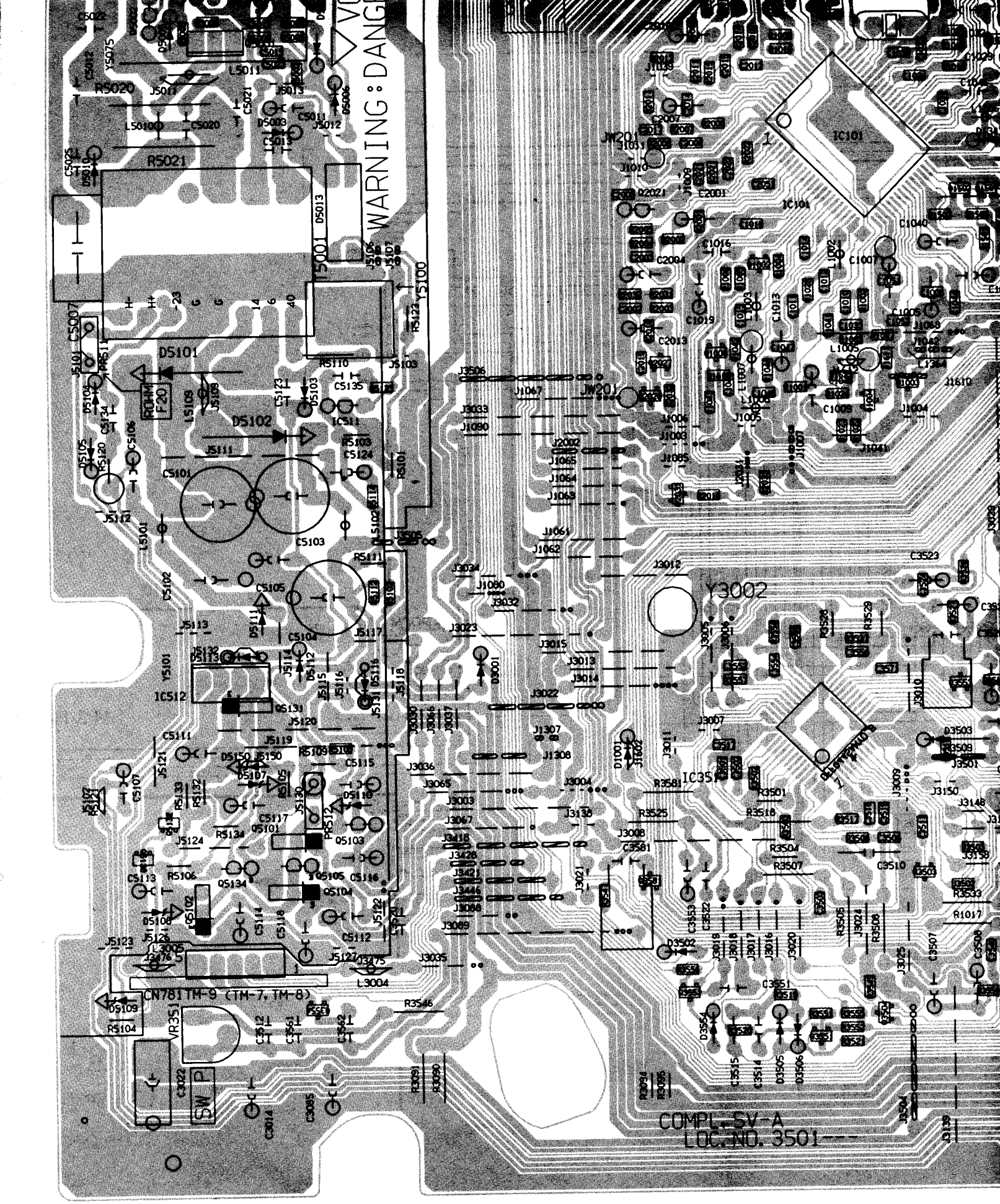
Q3302
2SA1341
Q3301
DTC143TK
SW.
MUTE
L3001
1AV4Z21B0200B
R3037
39K±1/10J
C3037
56P±5L
IC301
LC866852A
SYSCON
TIMER
MPU
R3026
R3025
R3024
R3023
1K±1/10J
R3036
2.2K±1/4J-D
(AX)
D3001
1SS133
C3014
470/6.3
J3449
J3448
J3447
5.0
9.0
16.5
TO FW-A
TO AD-A
TO VA-A
EEPROM
IC304
AT24C04-10PC
C3019
0.1μF
D3102
D3108
D3107
D3106
D3105
D3111
D3115
D3114
D3117
D3124
D3122
INPUT0 (C+)
INPUT2 (FRONT)
INPUT1 (REAR)
W/ R.LIST
W/ AS/NICAM
W/ AUTO CLK
W/ VSC
W/ HIFI
W/ LP
W/ A.DUB
SHUTTLE REMOCON (SHINAGAWA)
SEG a
SEG b
SEG c
SEG d
SEG e
SEG f
KEY0
KEY1
KEY2
KEY3
R3104 10K±1/4J-D
R3103 10K±1/4J-D
R3102 10K±1/4J-D
R3101 10K±1/4J-D
(AX, CHIP)
C3016
0.01μB
R3032(AX)
33K±1/4J-D
DIODE OPTION
VOLTAGE: REC(PLAY)MODE
NOTE NOT SPECIFIED DIODE: 1SS133
12
13
14
15
16
17
18
19
20

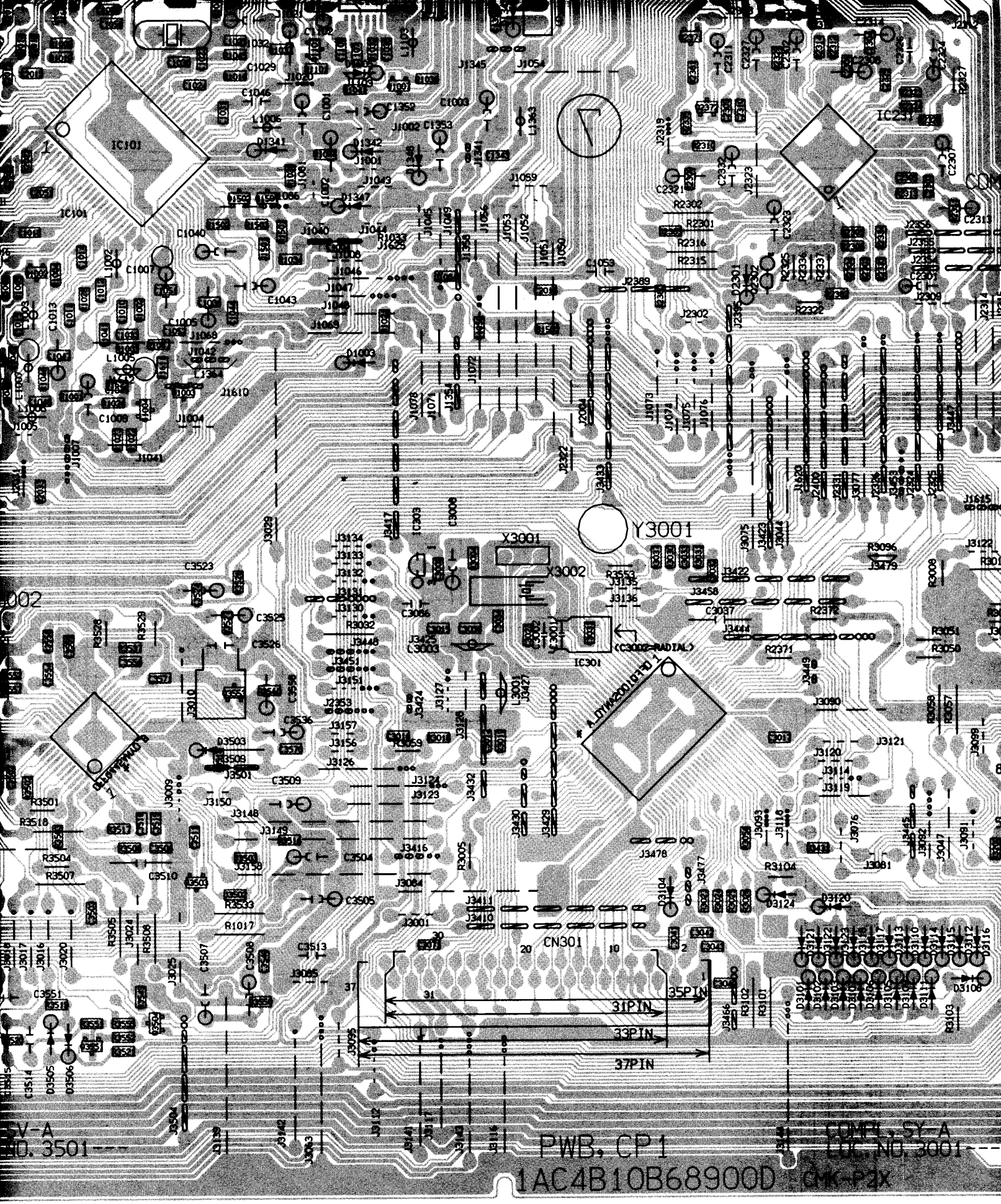

EEPROM
AT24C04-10PC
IC304
VPS/PDC UNIT
TM-9
ALWAYS 5V
VD(VPS)
I2C S.DATA
I2C S.CLK
GND
TO PW-A
TO AD-A
TO VA-A
VOLTAGE:REC(PLAY)MODE

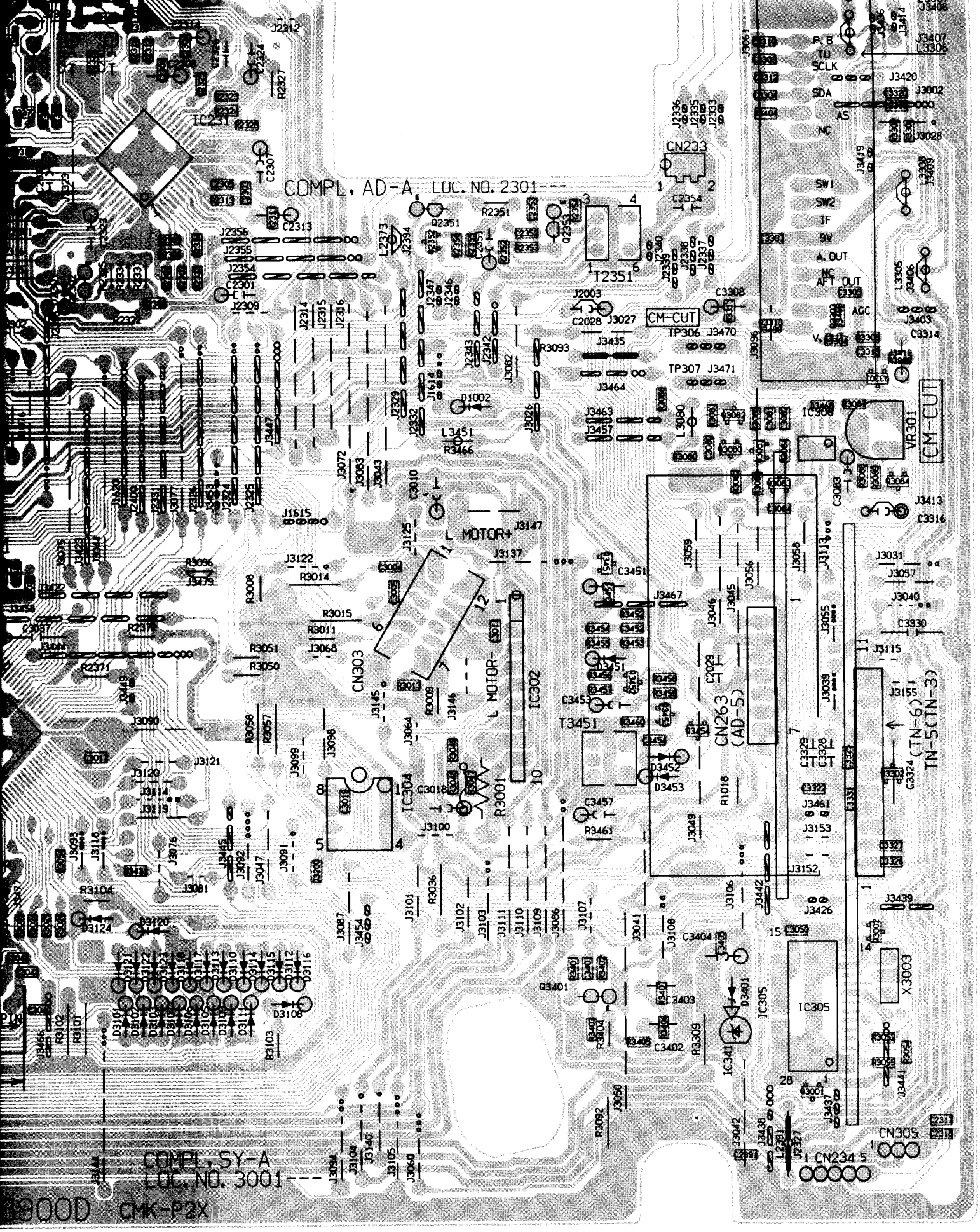

WARNING : DANGEROUS VOLTAGE
F5001 T2.5A H 250V
COMPL. PW-A
ROHM F20
T5001
Y5100
Y3002
T2001
X1001
X1401
IC101
IC141
CN352
CN501
CN201
L5001
VA501
Y5001
Y5002
C5001
C5002
C5005
C5010
R5001
R5010
R5020
R5021
D5101
D5102
L5101
L5102
L5109
L5110
L5111
L2022
L2023
Q2022
Q2025
Q5002
Q5003
Q5004
D5001
D5004
D5006
D5013
D1301
D1341
D1342
D1343
D1344
D1345
D1346
D1347
D1348
D1349
D1350
D1351
D1352
D1353
D1354
D1355
D1356
D1357
D1358
D1359
D1360
D1361
D1362
D1363
D1364
D1365
D1366
D1367
D1368
D1369
D1370
D1371
D1372
D1373
D1374
D1375
D1376
D1377
D1378
D1379
D1380


VA=A
IC101
IC102
IC131
IC132
IC231
IC232
IC301
IC303
X1001
X3001
X3002
Y3001
CN101
CN201
CN231
CN351
JW202
JW231
T2001
TP101
(C3002-RADIAL)

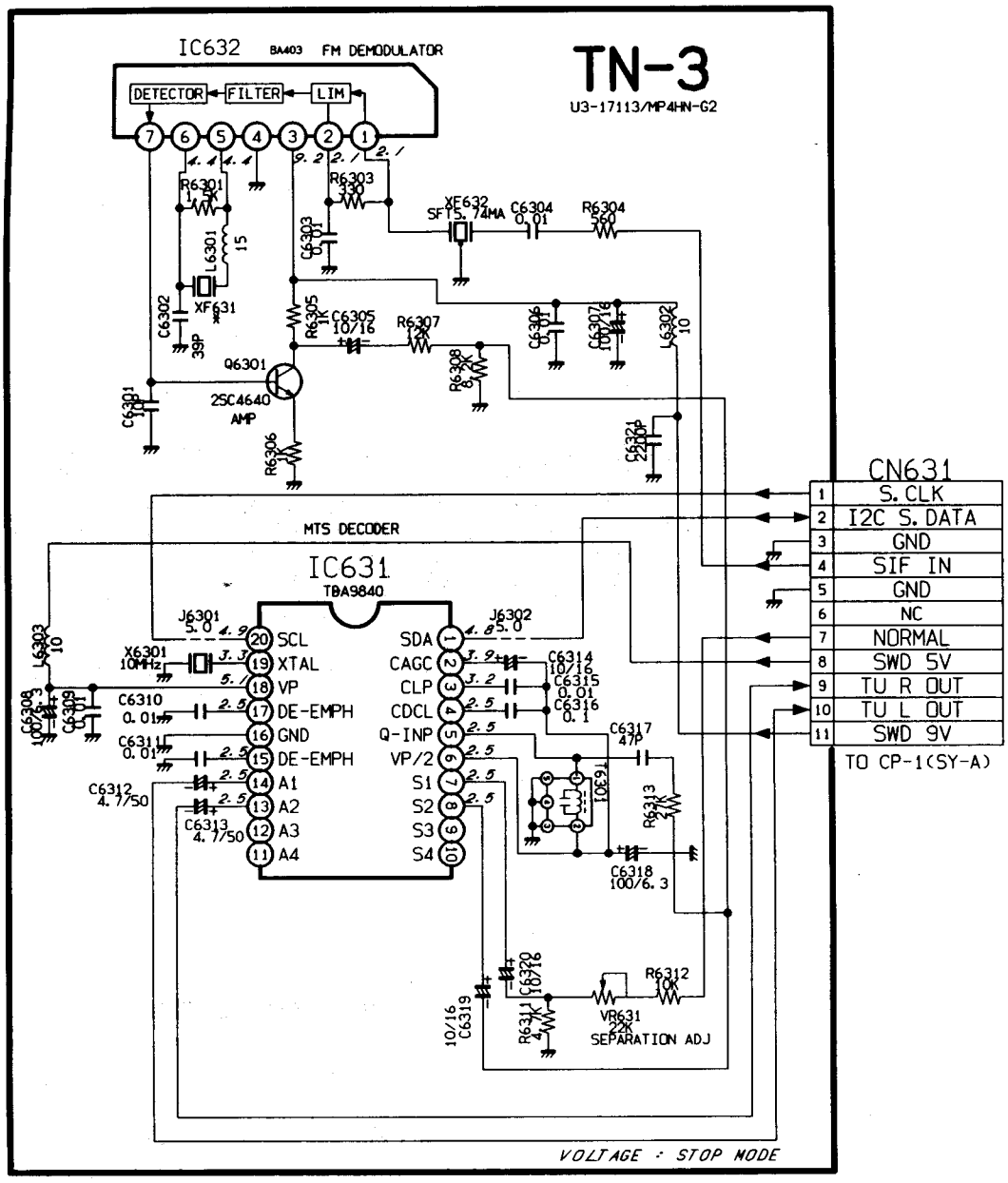

JK234
JK232/JK233
J2320
JK231/JK239
JK301
JW231
Y6001
TUNER
B. B
A. IN
SDA
M. B
SCLK
V. IN
TU
CN101
IC233
JW301
TO VP1
IC232
CN351
IC231
COMPL. AD-A LOC. NO. 2301---
P. B
TU
SCLK
SDA
AS
NC
CN233
SW1
SW2
IF
9V
A. OUT
NC
AFT OUT
AGC
T2351
CM-CUT
TP306
TP307
VR301
L MOTOR+
L MOTOR-
IC302
IC304
CN303
CN263
(AD-5)
TN-5(TN-3)
T3451


WARNING:DANG
R5020
R5021
L5001
DS101
DS102
ROM
F20
IC512
IC101
IC104
IC351
JW201
Y3002
CN781TM-9 (TM-7,TM-8)
SW P
COMPL-SV-A
LOC.NO. 3501

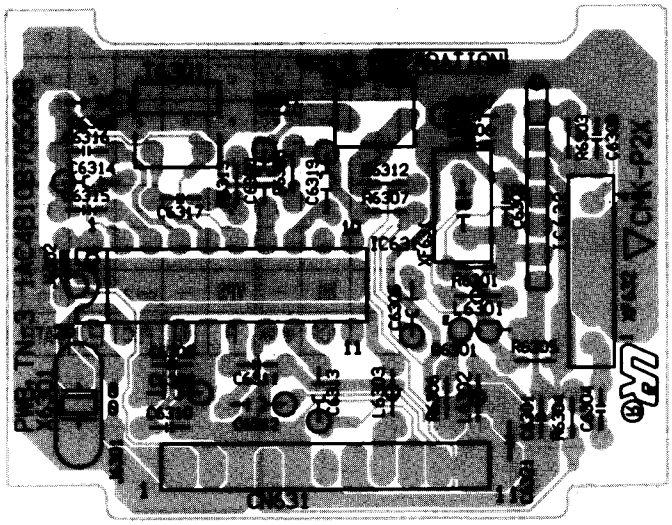

IC101
IC2301
Y3001
X3001
X3002
IC301
CN301
31PIN
33PIN
35PIN
37PIN
(C3002-RADIAL)
SY-A
NO. 3501---
PWB, CP1
1AC4B10B68900D CMK-P2X
COMPL, SY-A
LOC NO. 3001---


COMPL, AD-A LOC. NO. 2301---
COMPL, SY-A
LOC. NO. 3001---
CM-CUT
L MOTOR+
L MOTOR-
IC302
IC304
IC305
T2351
T3451
CN303
CN263 (AD-5)
CN305
CN234
X3003
VR301
TN-5(TN-3)
TN-6
P.B
TU
SCLK
SDA
AS
NC
SW1
SW2
IF
9V
A.OUT
NC
AFT OUT
AGC
TP306
TP307
3900D CMK-P2X

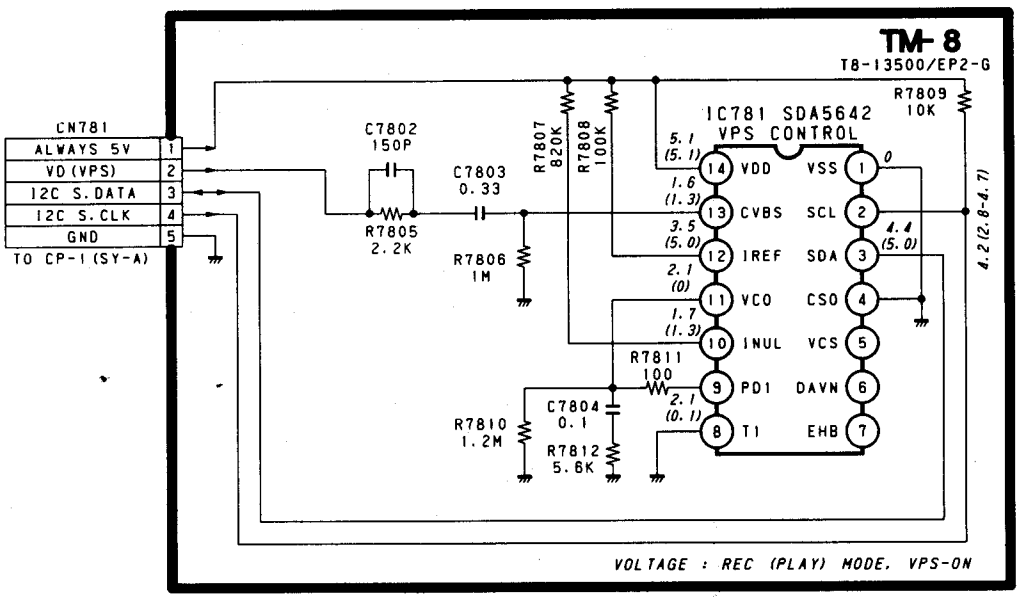
TN-3 BOARD MTS DECODER (VHR-757G , VHR-757NL & VHR-777EV)



TN-3 P.W.B. (VHR-757G , VHR-757NL & VHR-777EV)



TM-8 BOARD VPS (VHR-757G ONLY)

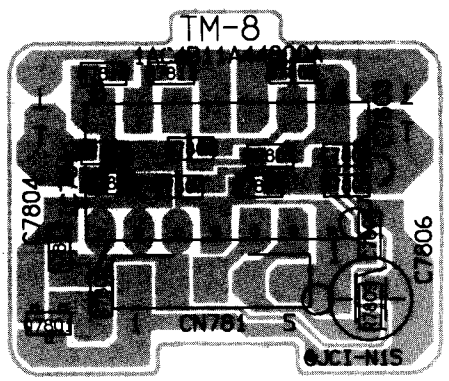


CN631

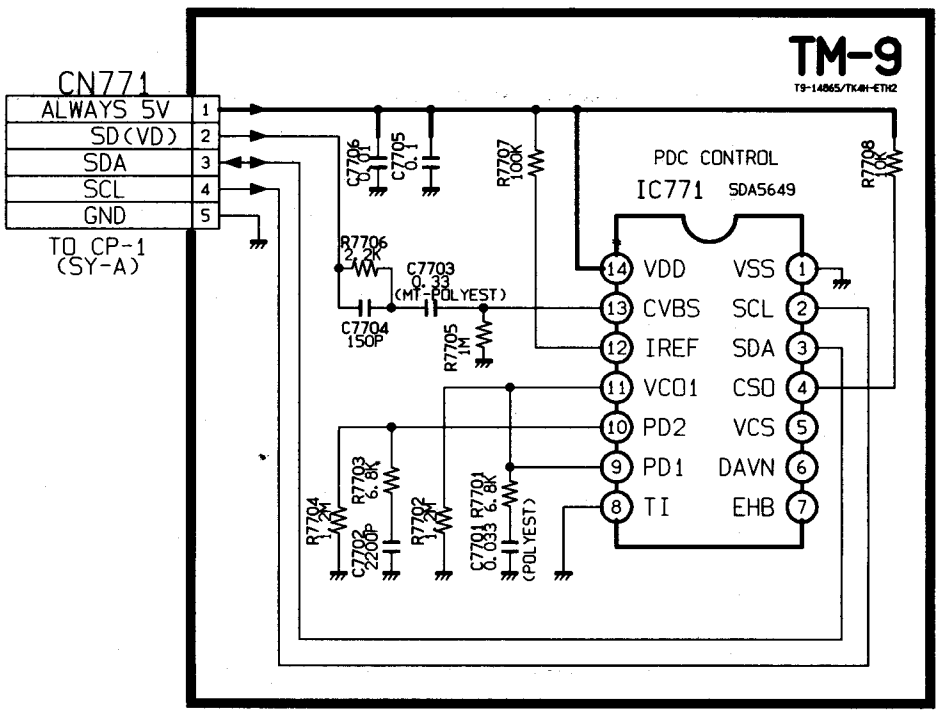
S.CLK
C S.DATA
GND
SIF IN
GND
NC
NORMAL
SWD 5V
U R OUT
U L OUT
SWD 9V

(CP-1(SY-A)

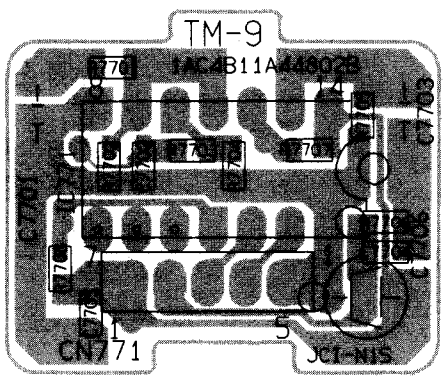
TM-8 P.W.B. (VHR-757G ONLY)



TM-9 BOARD PDC/VPS (EXCEPT VHR-757G)

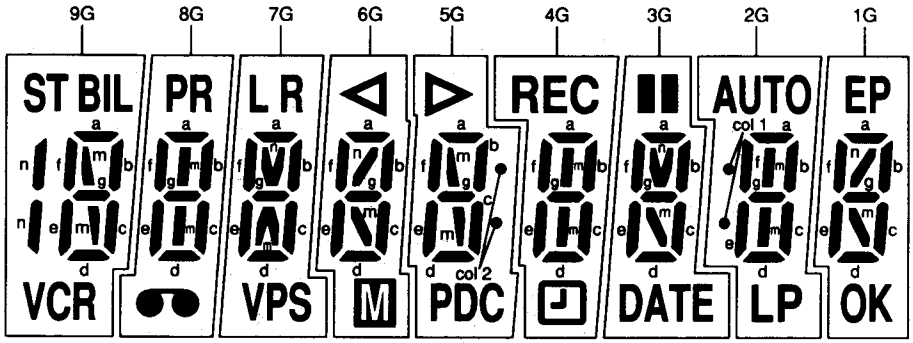


TM-9 P.W.B. (EXCEPT VHR-757G)



A7101 DISPLAY (FLD) GRID/ANODE ASSIGNMENT DRAWING & TABLE

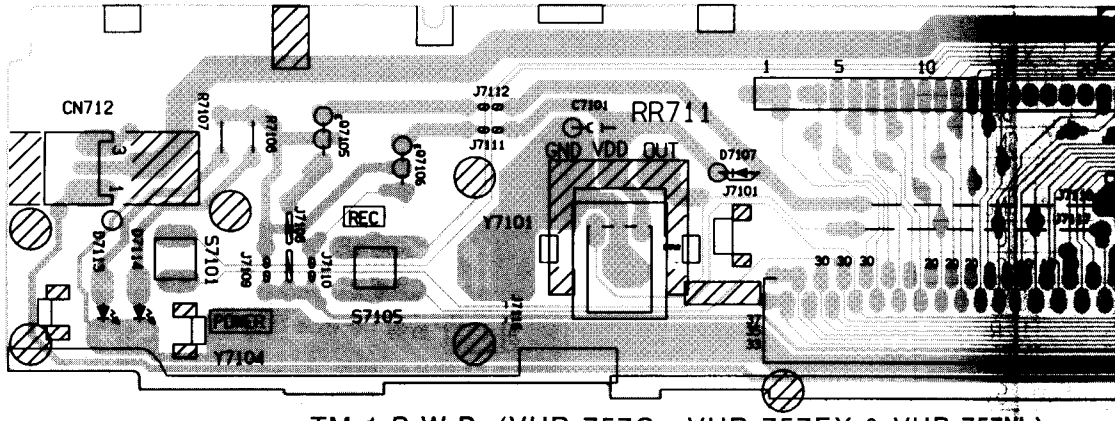
GRID & SEGMENT ASSIGNMENT



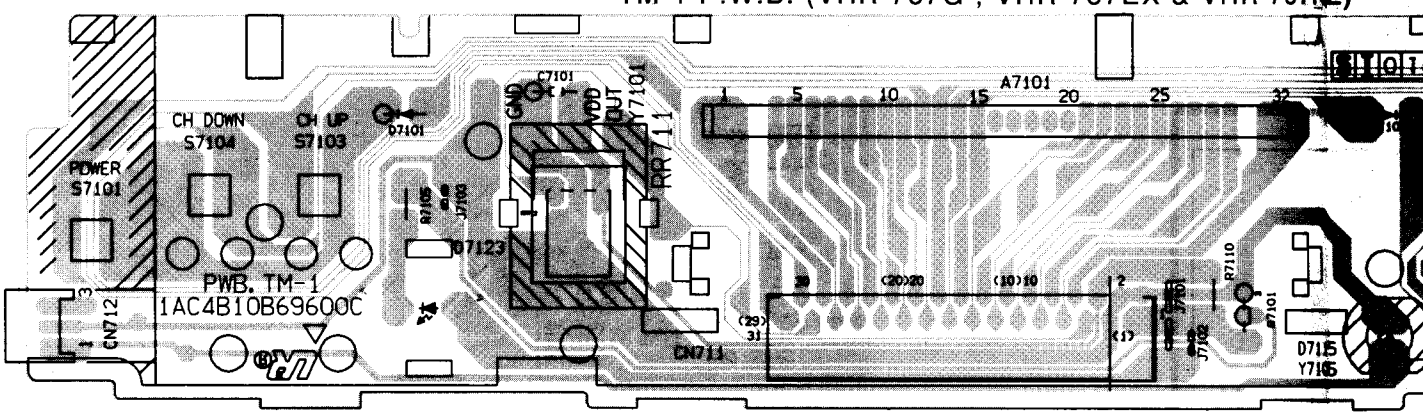
ANODE CONNECTION

GRID / SEGMENT	9G	8G	7G	6G	5G	4G	3G	2G	1G
a	ST	PR	L	◁	▷	REC	▮▮	AUTO	EP
b	n	—	n	n	—	—	n	—	n
c	a	a	a	a	a	a	a	a	a
d	b	b	b	b	b	b	b	b	b
e	c	c	c	c	c	c	c	c	c
f	d	d	d	d	d	d	d	d	d
g	e	e	e	e	e	e	e	e	e
h	f	f	f	f	f	f	f	f	f
i	g	g	g	g	g	g	g	g	g
j	m	m	m	m	m	m	m	m	m
k	BIL	—	VPS	—	col 2	—	—	col 1	—
l	VCR	👓	R	M	PDC	⏎	DATE	LP	OK

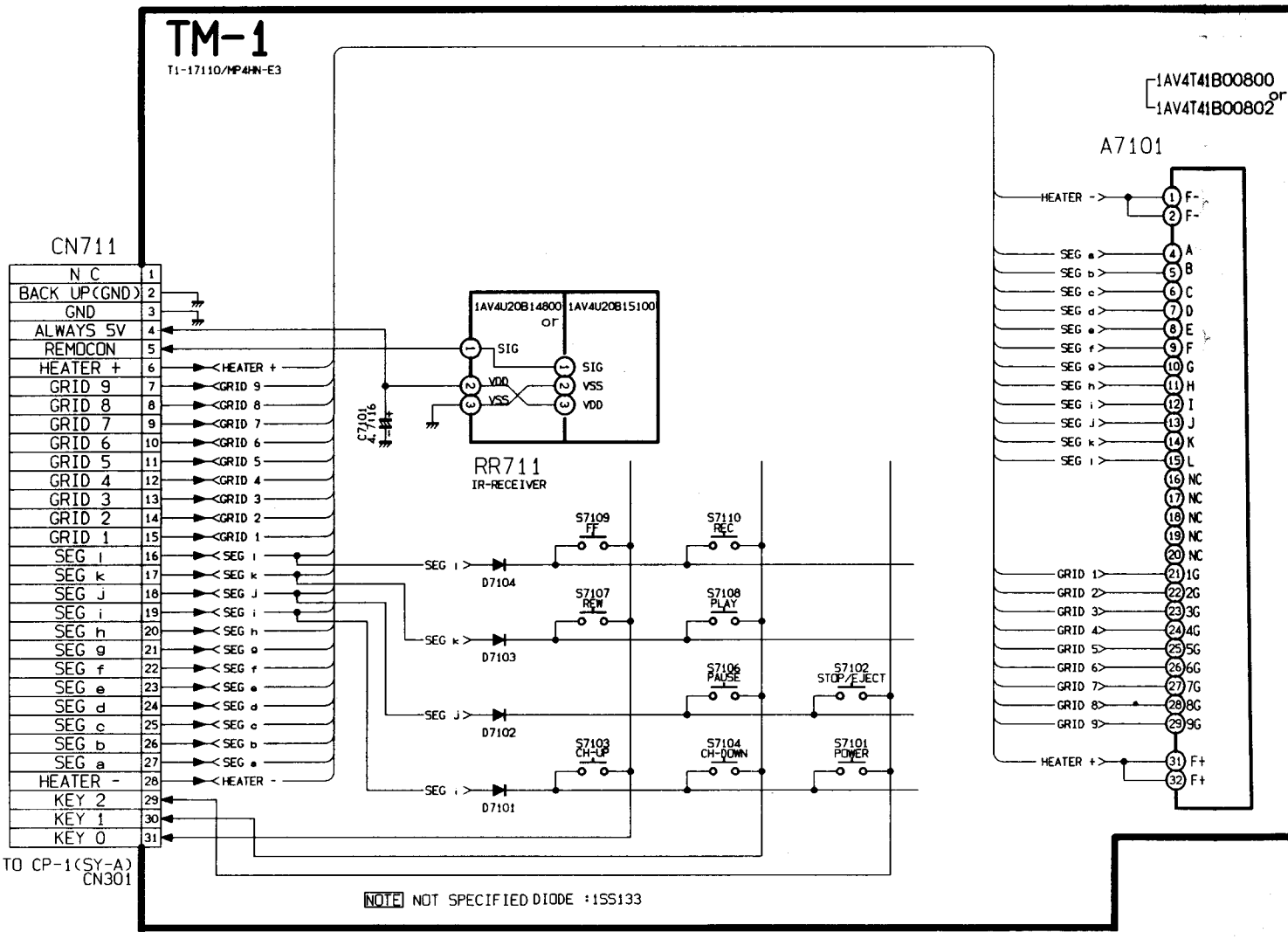
GR-00800



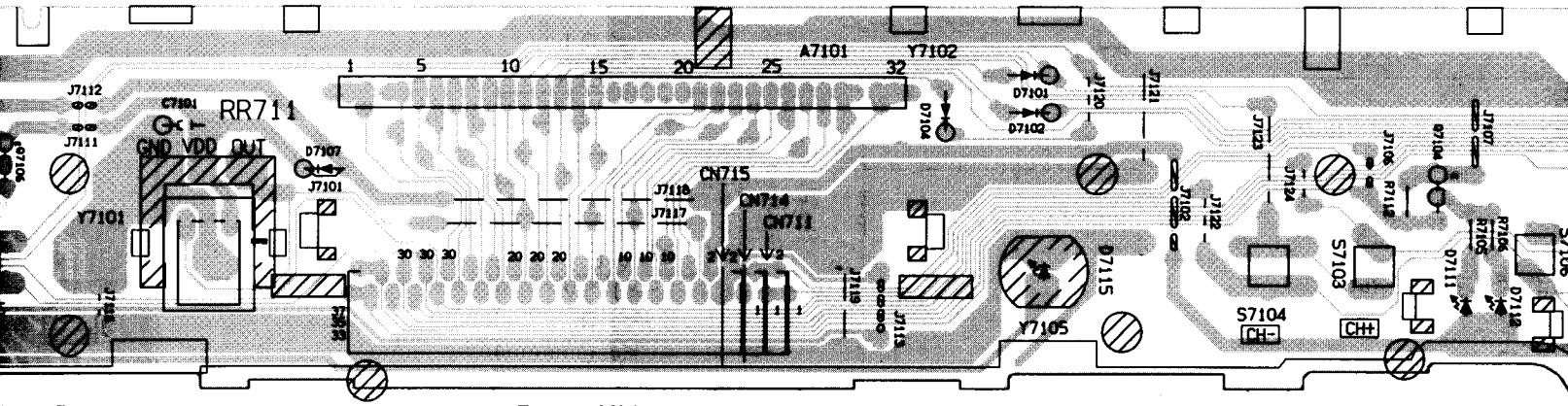
TM-1 P.W.B. (VHR-757G , VHR-757EX & VHR-757NL)



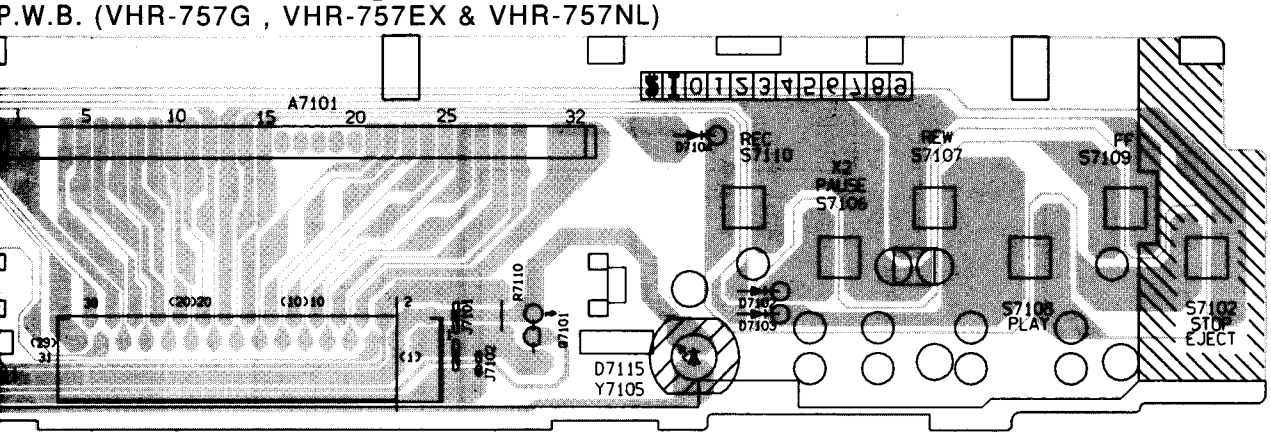
TM-1 BOARD OPERATION KEY & DISPLAY (VHR-757G,VHR-757EX&VHR-757NL)



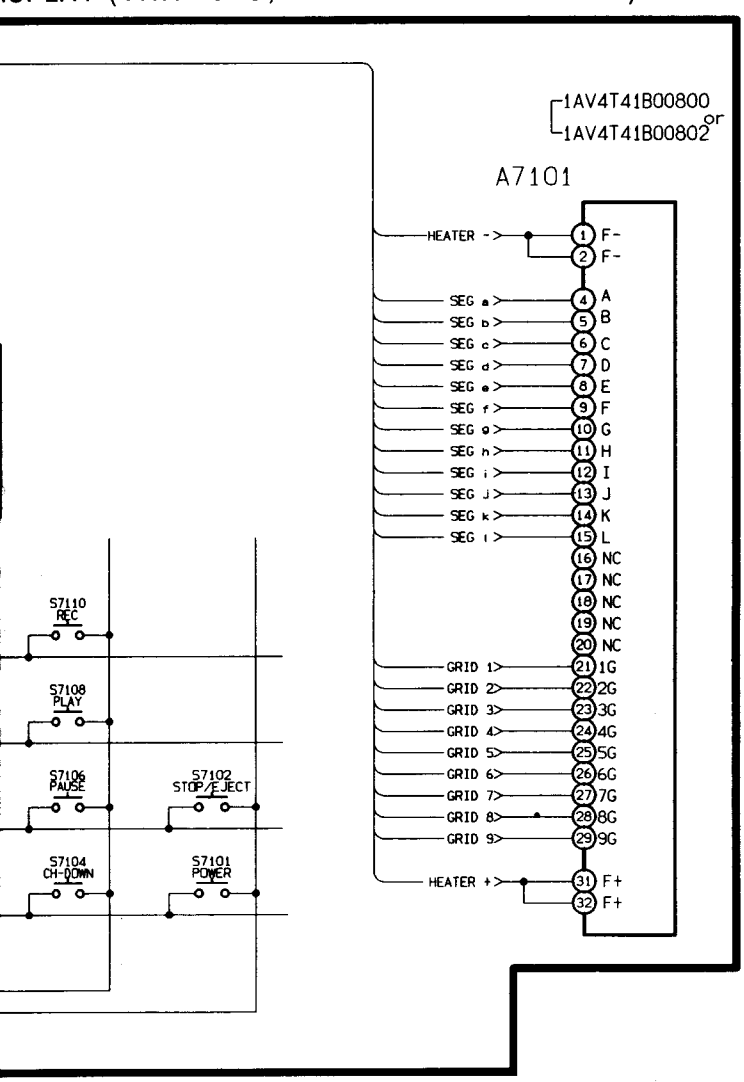
TM-1 P.W.B. (VHR-777EV , VHR-777EX & VHR-797SP)

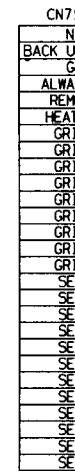


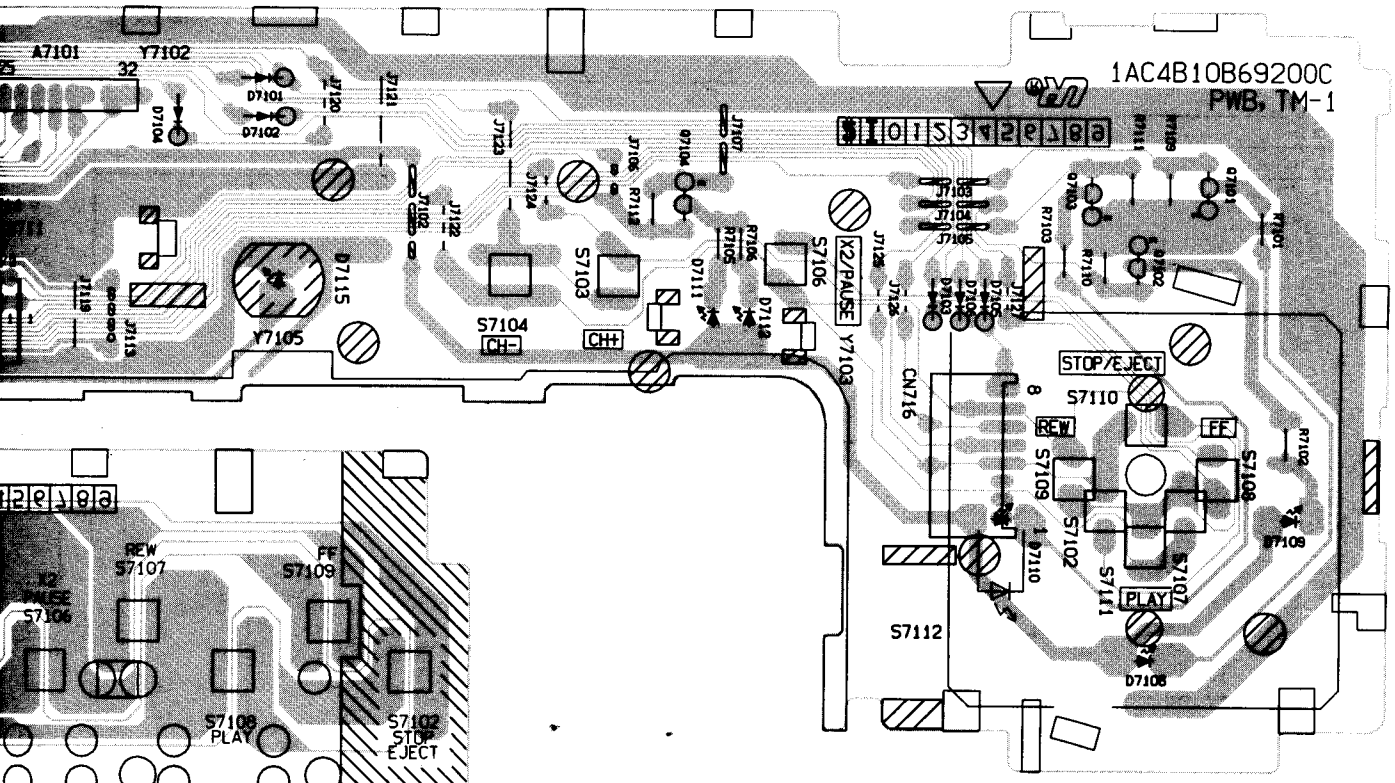
P.W.B. (VHR-757G , VHR-757EX & VHR-757NL)

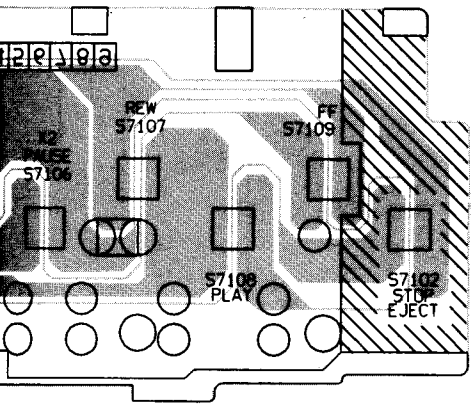


DISPLAY (VHR-757G,VHR-757EX&VHR-757NL)

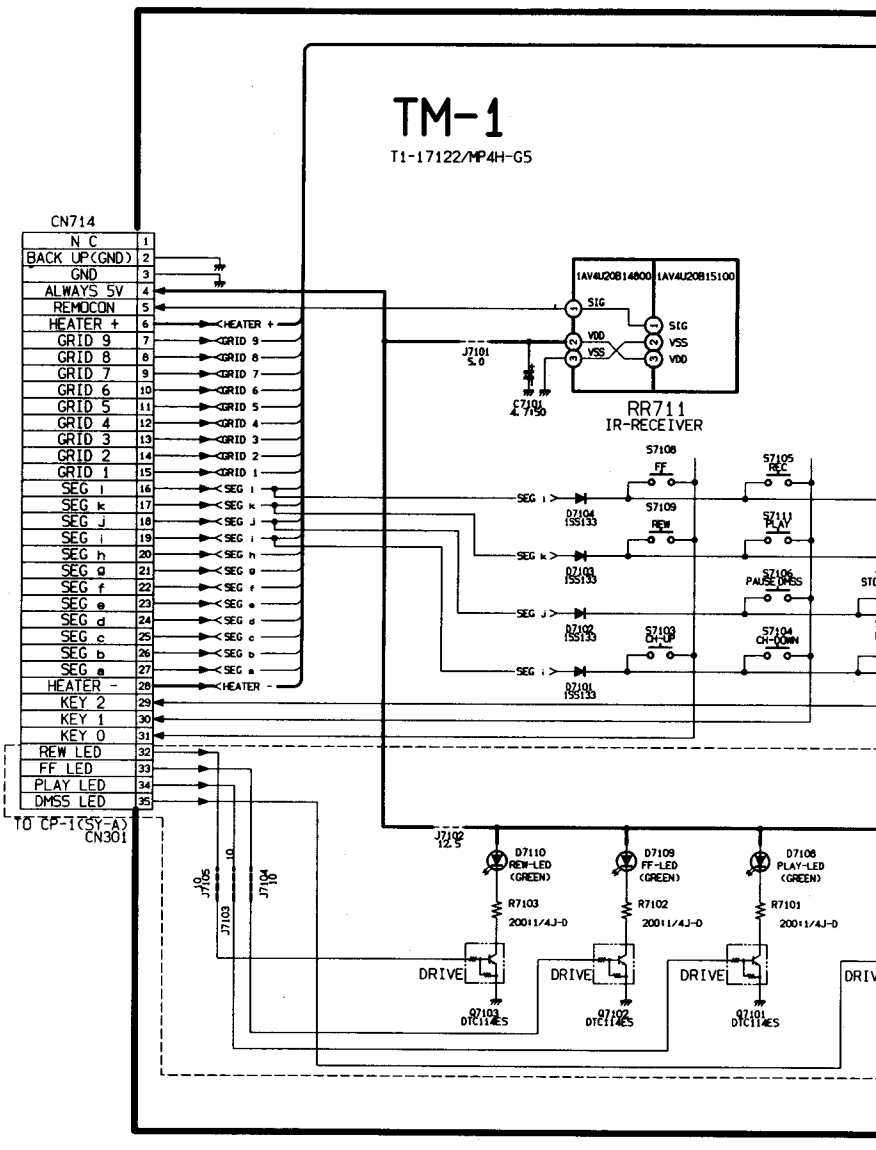




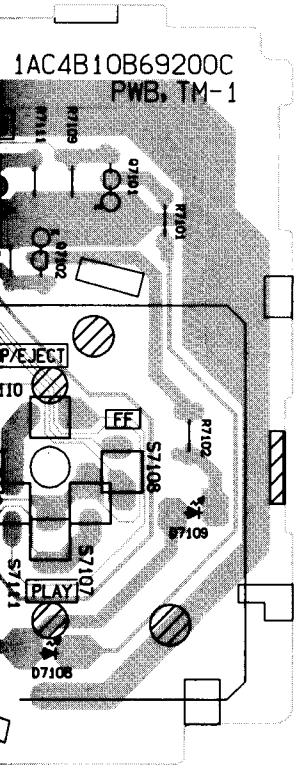


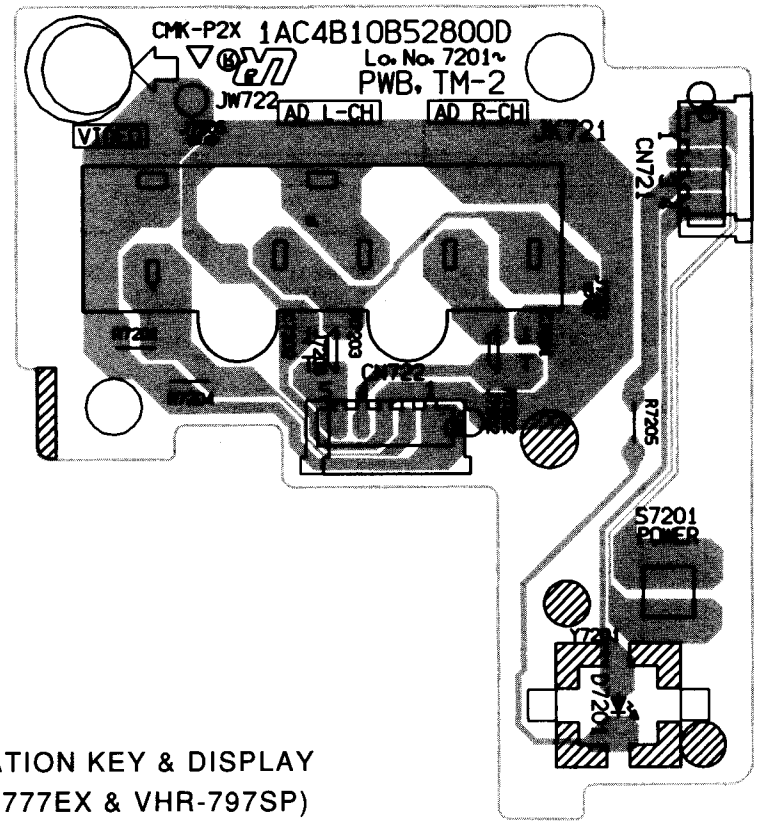


TM-1,TB-2 BOA
(VHR-

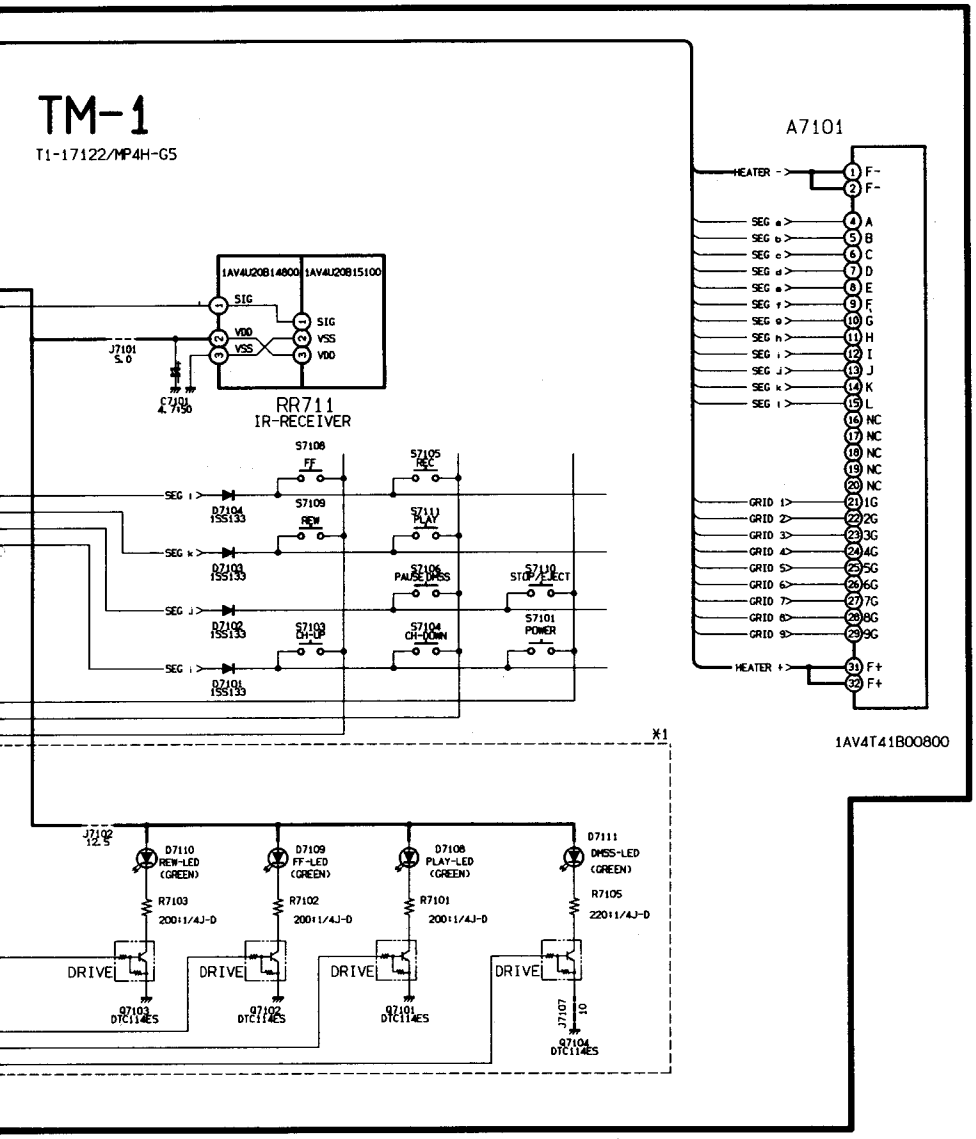


TB-2 P.W.B. (VHR-797SP ONLY)



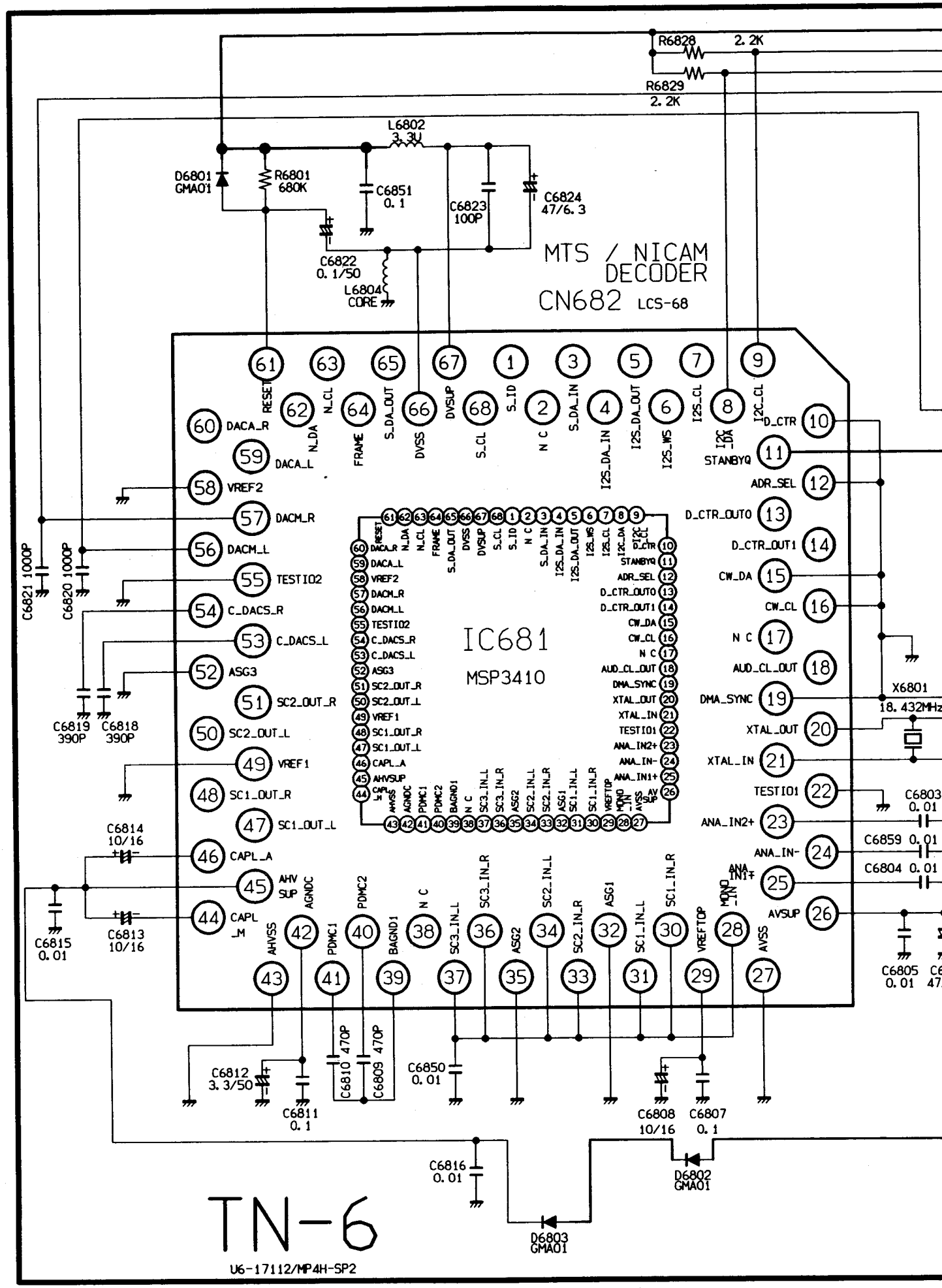


TM-1,TB-2 BOARDS OPERATION KEY & DISPLAY (VHR-777EV , VHR-777EX & VHR-797SP)

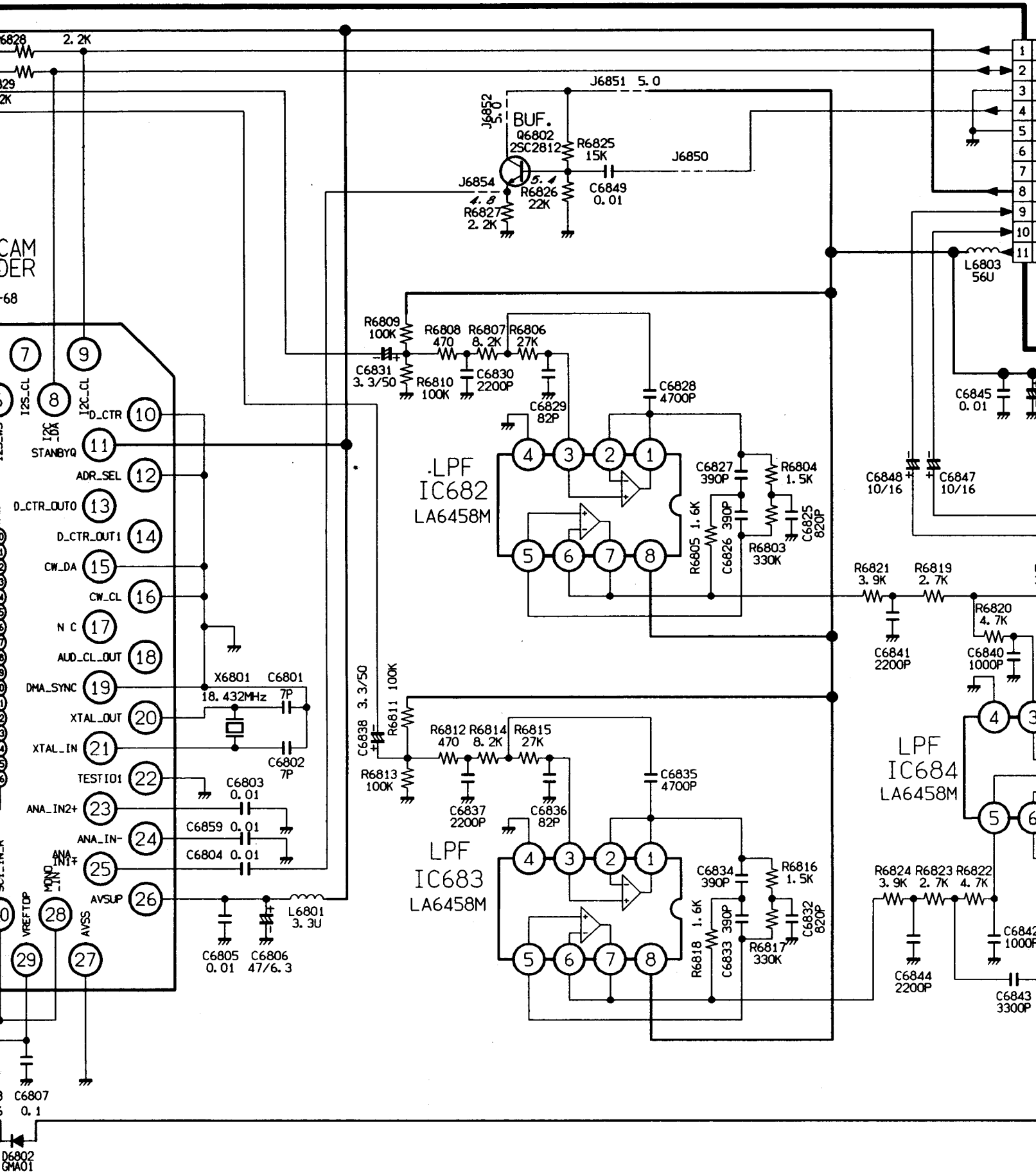


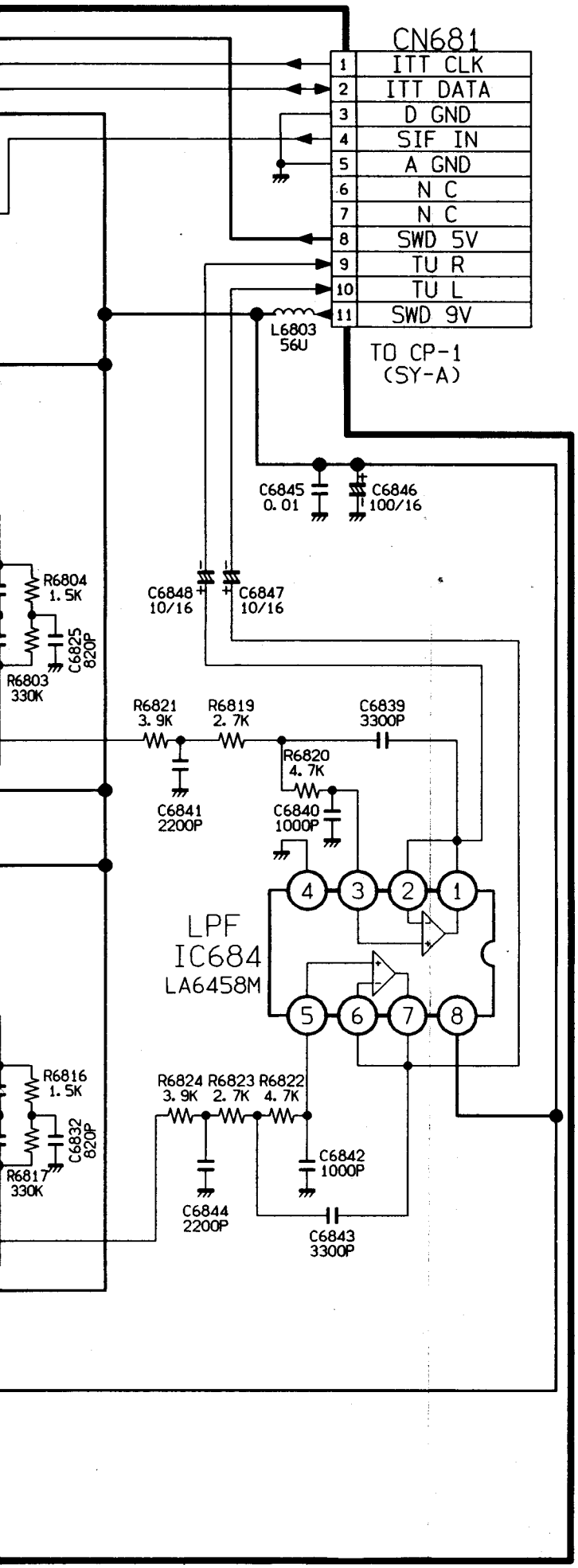
NOTE NOT USE : OPEN CIRCUIT	
	*1
VHR-777EV VHR-777EX	NOT USE
VHR-797SP	USE

15 16 17 18 19 20 21 22 23

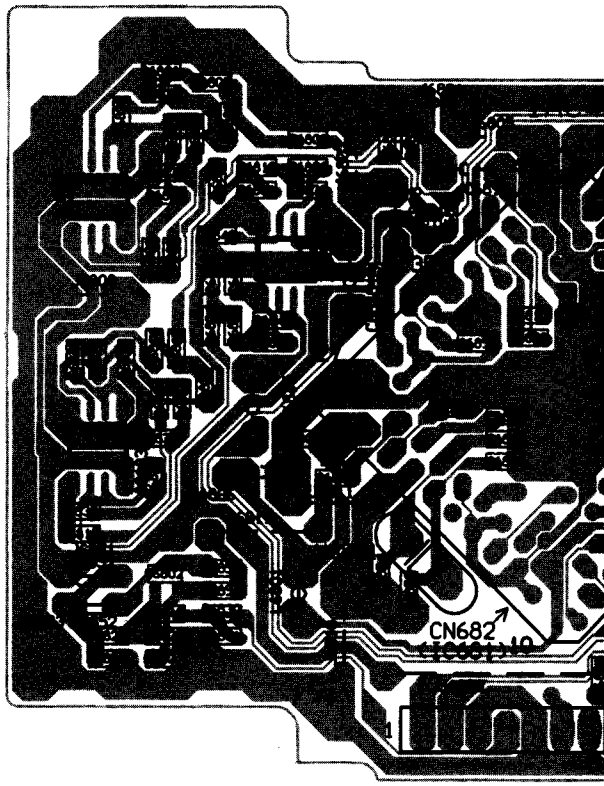

R6828 2.2K
R6829 2.2K
L6802 3.3U
D6801 GMA01
R6801 680K
C6851 0.1
C6823 100P
C6824 47/6.3
C6822 0.1/50
L6804 CORE
MTS / NICAM DECODER
CN682 LCS-68
IC681
MSP3410
C6821 1000P
C6820 1000P
C6819 390P
C6818 390P
C6814 10/16
C6815 0.01
C6813 10/16
C6812 3.3/50
C6811 0.1
C6810 470P
C6809 470P
C6850 0.01
C6808 10/16
C6807 0.1
C6816 0.01
D6802 GMA01
D6803 GMA01
X6801 18.432MHz
C6803 0.01
C6859 0.01
C6804 0.01
C6805 0.01
TN-6
U6-17112/MP4H-SP2

OARD MTS & NICAM DECODER (VHR-797SP ONLY)

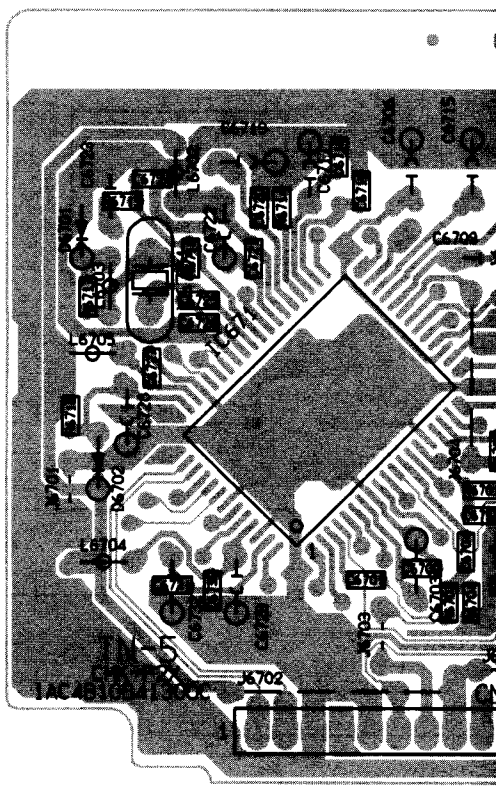




TN-6 P.W.B. (VHR-797S



TN-5 P.W.B. (VHR-757EX&V



CN681

1	ITT CLK
2	ITT DATA
3	D GND
4	SIF IN
5	A GND
6	N C
7	N C
8	SWD 5V
9	TU R
10	TU L
11	SWD 9V

TO CP-1
(SY-A)

C6846
100/16

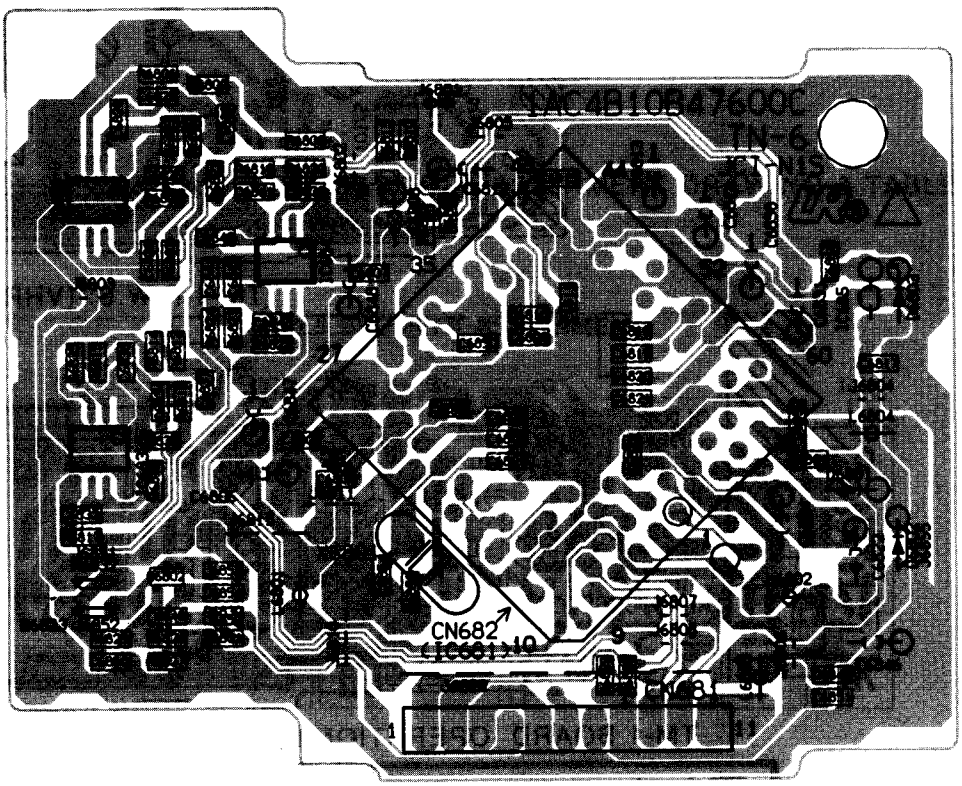
C6839
3300P

820
7K

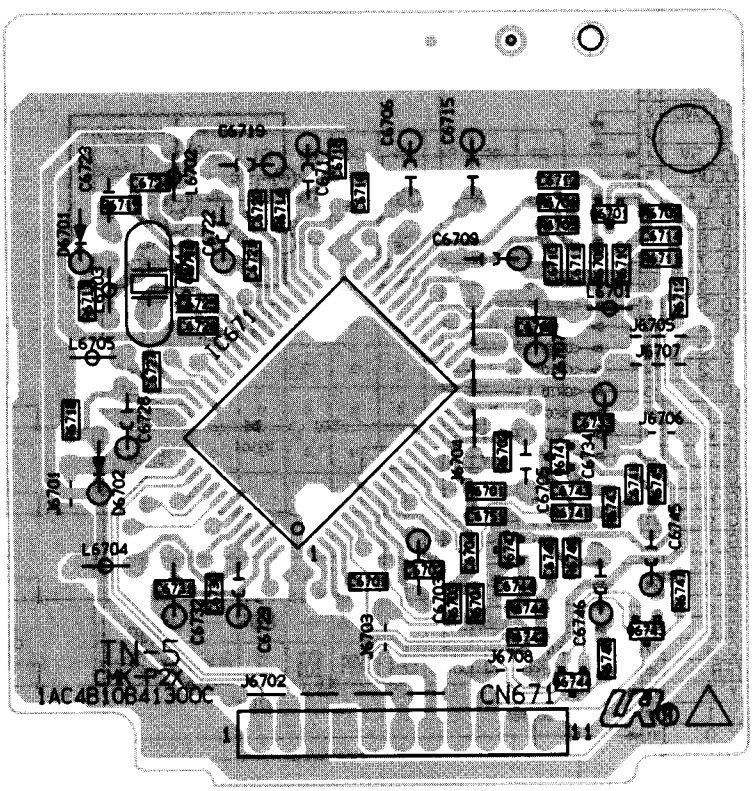
C6842
1000P

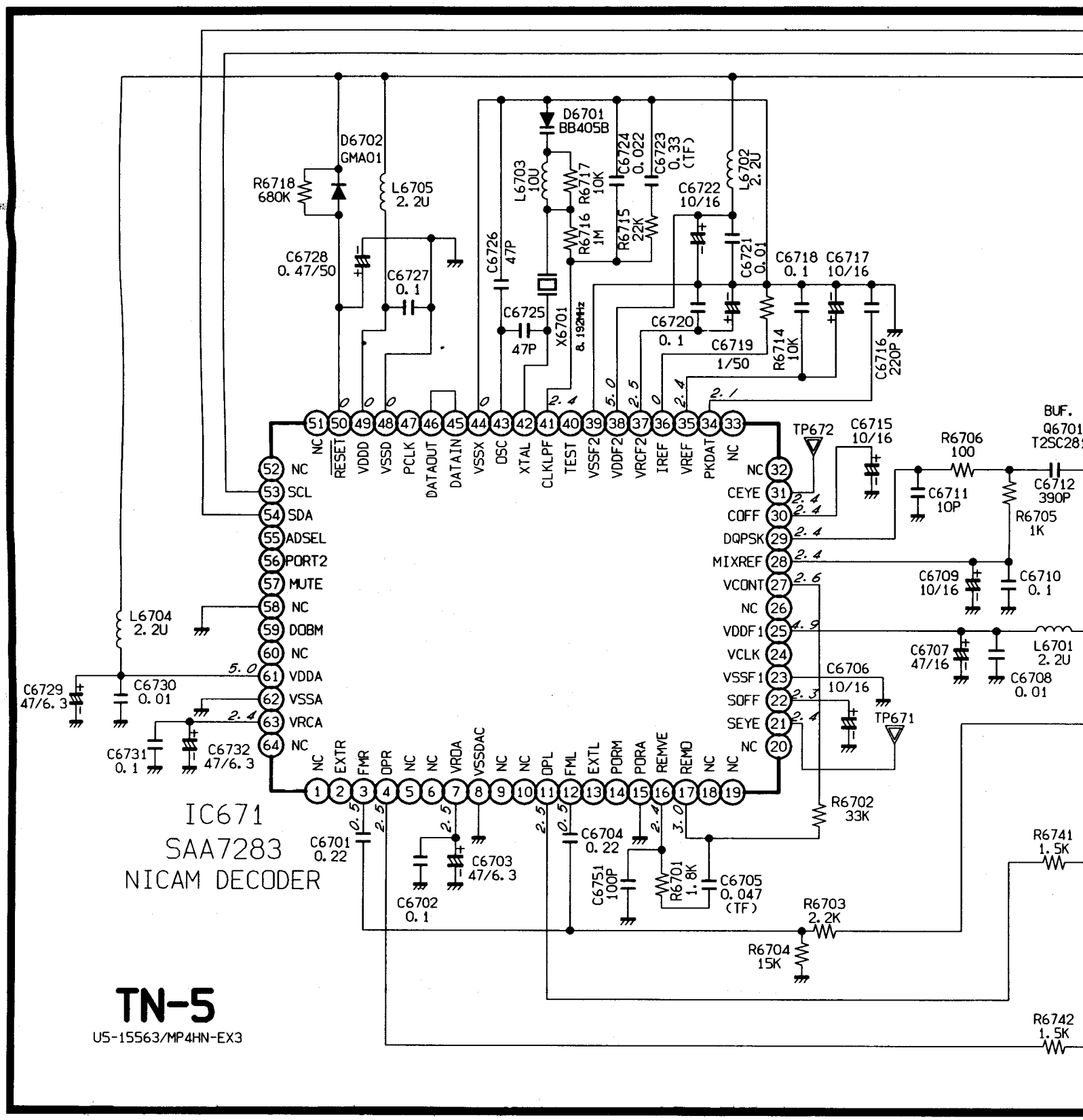
C6843
3300P

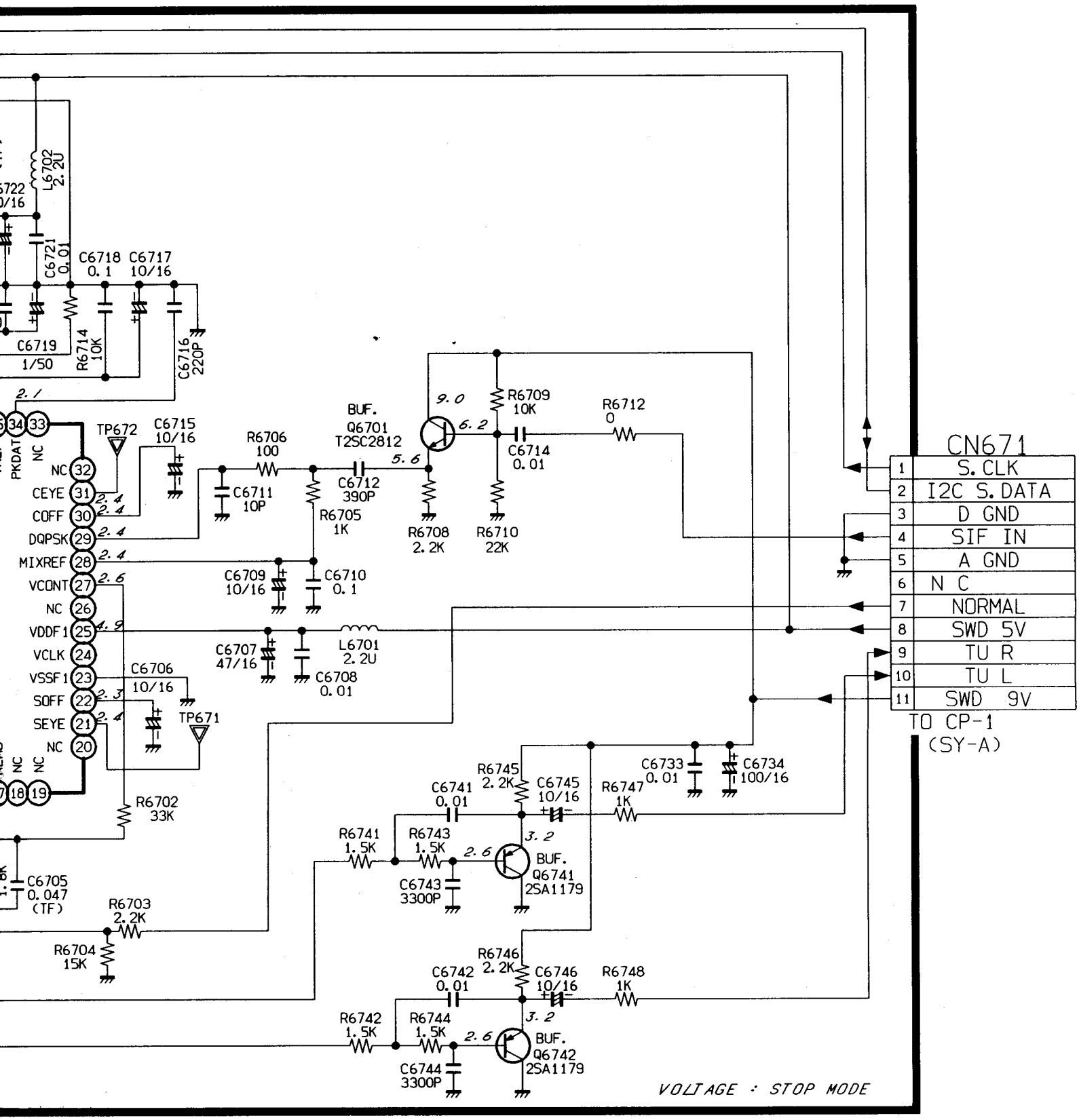
TN-6 P.W.B. (VHR-797SP ONLY)

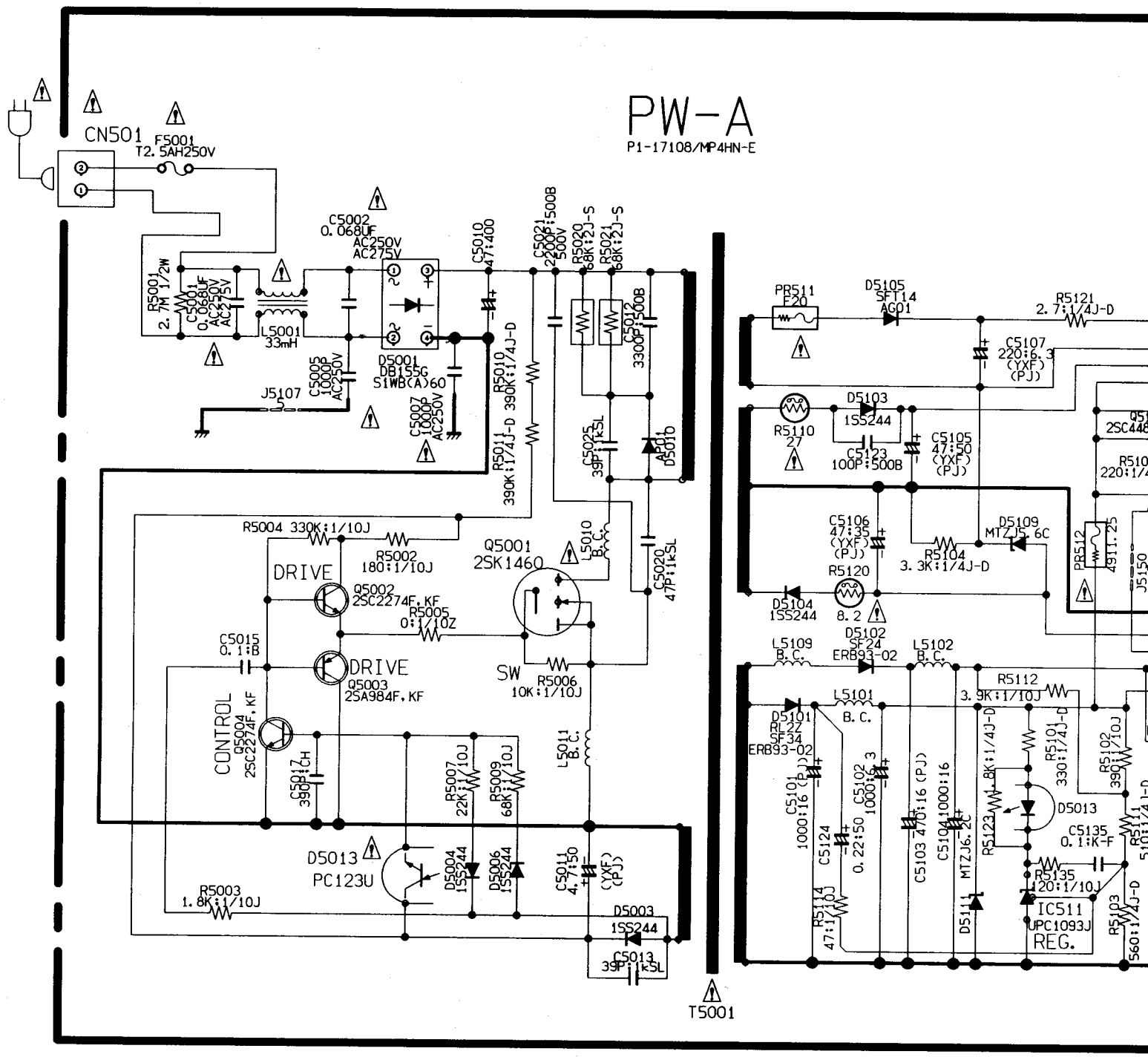


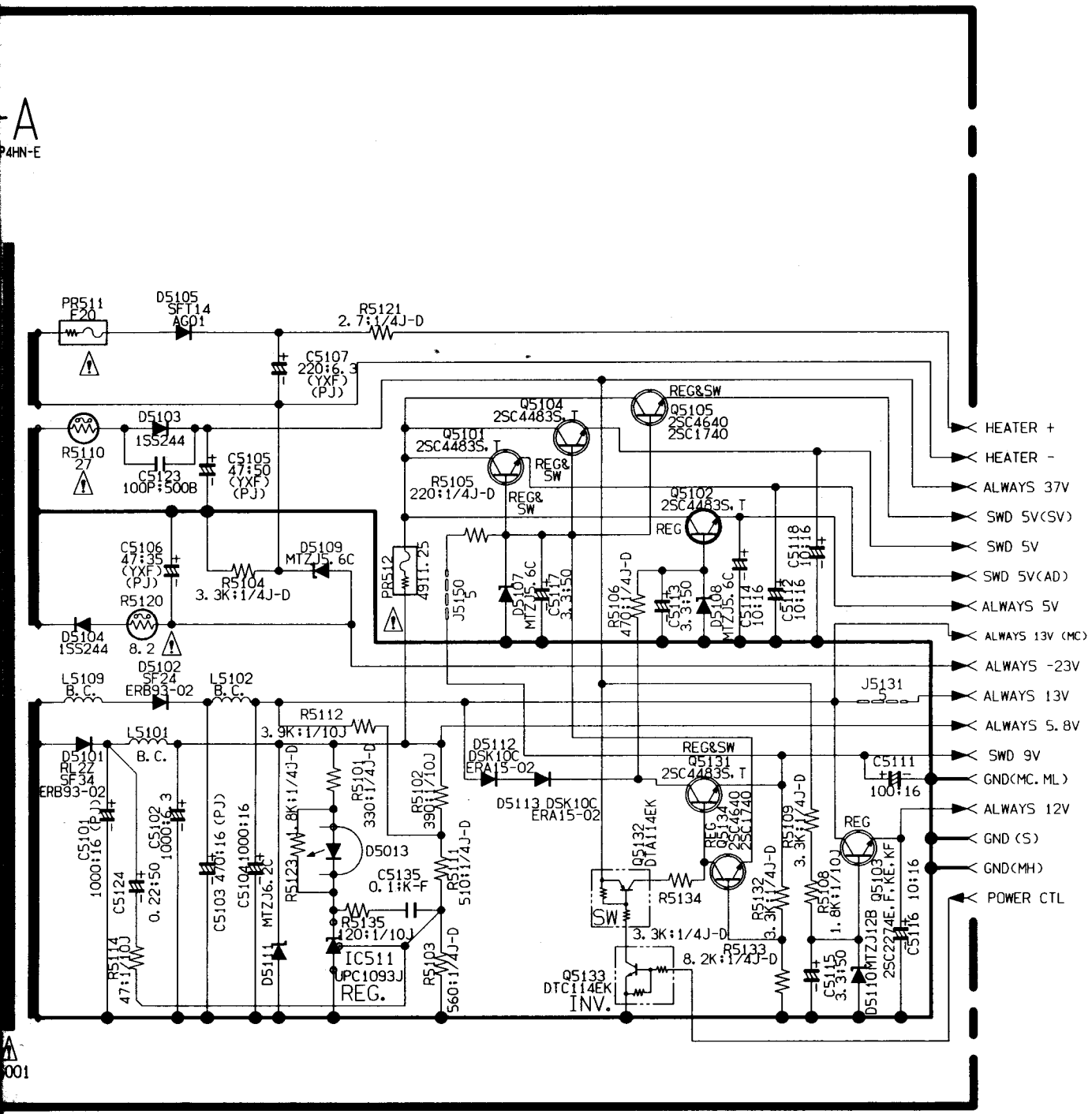
TN-5 P.W.B. (VHR-757EX&VHR-777EX)




IC671
SAA7283
NICAM DECODER
TN-5
U5-15563/MP4HN-EX3
D6701 BB405B
D6702 GMA01
L6705 2.2U
L6703 10U
L6702 2.2U
R6718 680K
R6717 10K
R6716 1M
R6715 22K
C6724 0.022
C6723 0.33 (TF)
C6722 10/16
C6721 0.01
C6718 0.1
C6717 10/16
C6728 0.47/50
C6727 0.1
C6726 47P
C6725 47P
X6701 8.192MHz
C6720 0.1
C6719 1/50
R6714 10K
C6716 220P
TP672
C6715 10/16
BUF. Q6701 T2SC28
R6706 100
C6711 10P
C6712 390P
R6705 1K
C6709 10/16
C6710 0.1
C6707 47/16
L6701 2.2U
C6708 0.01
C6706 10/16
TP671
R6702 33K
L6704 2.2U
C6729 47/6.3
C6730 0.01
C6731 0.1
C6732 47/6.3
C6701 0.22
C6702 0.1
C6703 47/6.3
C6704 0.22
C6751 100P
R6701 1.8K
C6705 0.047 (TF)
R6703 2.2K
R6704 15K
R6741 1.5K
R6742 1.5K
NC RESET VDDD VSSD PCLK DATAOUT DATAIN VSSX OSC XTAL CLKLPF TEST VSSF2 VDDF2 VRCF2 IREF VREF PKDAT NC
NC SCL SDA ADSEL PORT2 MUTE NC DQBM NC VDDA VSSA VRCA NC
NC CEYE COFF DQPSK MIXREF VCONT NC VDDF1 VCLK VSSF1 SOFF SEYE NC
NC EXTR FMR OPR NC NC VRDA VSSDAC NC NC OPL FML EXTL PORM PORA REMVE REMD NC NC


L6702 2.2U
C6721 0.01
C6718 0.1
C6717 10/16
C6719 1/50
R6714 10K
C6716 220P
TP672
C6715 10/16
R6706 100
C6711 10P
C6712 390P
R6705 1K
BUF. Q6701 T2SC2812
R6708 2.2K
R6709 10K
R6710 22K
R6712 0
C6714 0.01
CN671
1 S. CLK
2 I2C S. DATA
3 D GND
4 SIF IN
5 A GND
6 N C
7 NORMAL
8 SWD 5V
9 TU R
10 TU L
11 SWD 9V
TO CP-1 (SY-A)
PKDAT
NC 32
CEYE 31
COFF 30
DQPSK 29
MIXREF 28
VCONT 27
NC 26
VDDF 1 25
VCLK 24
VSSF 1 23
SOFF 22
SEYE 21
NC 20
C6709 10/16
C6710 0.1
C6707 47/16
C6708 0.01
L6701 2.2U
C6706 10/16
TP671
R6702 33K
C6705 0.047 (TF)
R6703 2.2K
R6704 15K
R6745 2.2K
C6741 0.01
C6745 10/16
R6747 1K
C6733 0.01
C6734 100/16
R6741 1.5K
R6743 1.5K
C6743 3300P
BUF. Q6741 2SA1179
R6746 2.2K
C6742 0.01
C6746 10/16
R6748 1K
R6742 1.5K
R6744 1.5K
C6744 3300P
BUF. Q6742 2SA1179
VOLTAGE : STOP MODE


PW-A
P1-17108/MP4HN-E
CN501
F5001
T2.5AH250V
C5002
0.068UF
AC250V
AC275V
R5001
2.7M 1/2W
C5001
0.068UF
AC250V
AC275V
L5001
33mH
C5005
1000P
AC250V
J5107
5
D5001
DB155G
S1WB(A)60
C5007
1000P
AC250V
C5010
47:400
C5021
2200P:500B
500V
R5020
68K:2J-S
R5021
68K:2J-S
C5012
3300P:500B
R5010
390K:1/4J-D
R5011
390K:1/4J-D
C5025
39P:1kSL
D5010
1SS244
R5004 330K:1/10J
R5002
180:1/10J
DRIVE
Q5002
2SC2274F.KF
R5005
0:1/10Z
Q5001
2SK1460
L5010
B.C.
C5020
47P:1kSL
C5015
0.1:B
DRIVE
Q5003
2SA984F.KF
SW
R5006
10K:1/10J
CONTROL
Q5004
2SC2274F.KF
C5017
390P:CH
R5007
22K:1/10J
R5009
68K:1/10J
L5011
B.C.
D5013
PC123U
D5004
1SS244
D5006
1SS244
C5011
4.7:50
(YXF)
(PJ)
R5003
1.8K:1/10J
D5003
1SS244
C5013
39P:1kSL
T5001
PR511
F20
D5105
SFT14
AG01
R5121
2.7:1/4J-D
C5107
220:6.3
(YXF)
(PJ)
D5103
1SS244
R5110
27
C5123
100P:500B
C5105
47:50
(YXF)
(PJ)
C5106
47:35
(YXF)
(PJ)
D5109
MTZJ5.6C
R5104
3.3K:1/4J-D
R5120
8.2
D5104
1SS244
PR512
4911.25
D5102
SF24
ERB93-02
L5109
B.C.
L5102
B.C.
R5112
3.9K:1/10J
L5101
B.C.
D5101
RL2Z
SF34
ERB93-02
C5101
1000:16 (PJ)
C5102
1000:16 (PJ)
C5124
0.22:50
C5103 470:16 (PJ)
C5104 1000:16
R5123
1.8K:1/4J-D
R5101
330:1/4J-D
R5102
390:1/10J
D5013
C5135
0.1:K-F
R5135
120:1/10J
R5114
47:1/10J
D5111
MTZJ6.2C
IC511
UPC1093J
REG.
R5103
560:1/4J-D


A
P4HN-E
PR511 F20
D5105 SFT14 AG01
R5121 2.7:1/4J-D
C5107 220:6.3 (YXF) (PJ)
D5103 1SS244
R5110 27
C5123 100P:500B
C5105 47:50 (YXF) (PJ)
Q5104 2SC4483S.T
Q5101 2SC4483S.T
REG&SW
Q5105 2SC4640 2SC1740
REG& SW
R5105 220:1/4J-D
Q5102 2SC4483S.T
REG
C5106 47:35 (YXF) (PJ)
D5109 MTZJ5.6C
R5104 3.3K:1/4J-D
R5120
D5104 1SS244 8.2
PR512 4911.25
J5150 5
D5107 MTZJ5.6C
C5117 3.3:50
R5106 470:1/4J-D
C5113 3.3:50
D5108 MTZJ5.6C
C5114 10:16
C5112 10:16
C5118 10:16
D5102 SF24 ERB93-02
L5109 B.C.
L5102 B.C.
R5112 3.9K:1/10J
L5101 B.C.
D5101 RF2Z 0F34 ERB93-02
D5112 DSK10C ERA15-02
D5113 DSK10C ERA15-02
REG&SW
Q5131 2SC4483S.T
J5131
C5111 100:16
C5101 1000:16 (PJ)
C5102 1000:16
C5124 0.22:50
C5103 470:16 (PJ)
C5104 1000:16
MTZJ6.2C
R5123 1.8K:1/4J-D
R5101 330:1/4J-D
R5102 390:1/10J
D5013
C5135 0.1:K-F
R5111 510:1/4J-D
R5135 120:1/10J
IC511 UPC1093J REG.
R5103 560:1/4J-D
R5114 47:1/10J
D5111
Q5132 DTA114EK
R5134
SW
3.3K:1/4J-D
Q5133 DTC114EK INV.
R5133 8.2K:1/4J-D
REG
Q5134 2SC4640 2SC1740
R5109 3.3K:1/4J-D
R5132 3.3K:1/4J-D
R5108 1.8K:1/10J
C5115 3.3:50
D5110 MTZJ12B
Q5103 2SC2274E, F, KE, KF
C5116 10:16
HEATER +
HEATER -
ALWAYS 37V
SWD 5V(SV)
SWD 5V
SWD 5V(AD)
ALWAYS 5V
ALWAYS 13V (MC)
ALWAYS -23V
ALWAYS 13V
ALWAYS 5.8V
SWD 9V
GND(MC.ML)
ALWAYS 12V
GND(S)
GND(MH)
POWER CTL
001